

GenCore version 5.1.7  
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OM protein - protein search, using sw model  
Run on: February 15, 2006, 09:26:44 ; Search time 244.467 Seconds  
(without alignments)  
329.865 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 1018  
Sequence: 1 MQSLMQAPLLIALGLLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA\_Main:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	1005	98.7	193	4	US-10-170-385-389
2	1000	98.2	193	5	US-10-723-860-529
3	1000	98.2	193	5	US-10-450-763-31079
4	419	41.2	76	5	US-10-450-763-31076
5	412	40.5	191	4	US-10-264-049-2611
6	353	34.7	61	3	US-09-864-761-34809
7	162.5	16.0	126	3	US-09-764-891-4977
8	116	11.4	131	5	US-10-450-763-31078
9	98.5	9.7	273	4	US-10-425-115-297138
10	91.5	9.0	641	4	US-10-369-493-20746
11	90	8.8	651	4	US-10-369-493-20109
12	88	8.6	796	4	US-10-437-963-187458
13	86.5	8.5	196	4	US-10-425-115-251307
14	86.5	8.5	574	4	US-10-725-013-2
15	86.5	8.5	768	3	US-09-973-451-8
16	86.5	8.5	768	6	US-11-058-995-8
17	86.5	8.5	768	6	US-11-097-143-5265
18	86	8.4	143	3	US-09-860-793-3
19	86	8.4	474	4	US-10-369-493-19074
20	86	8.4	575	4	US-10-094-886-196
21	86	8.4	611	4	US-10-369-493-7417
22	86	8.4	633	4	US-10-369-493-4658
23	86	8.4	2293	4	US-10-032-438B-2
24	85.5	8.4	199	5	US-10-450-763-47817
25	84	8.3	490	4	US-10-437-963-180789
26	83.5	8.2	132	4	US-10-424-599-255741
27	83	8.2	688	4	US-10-282-122A-47772

28	82.5	8.1	342	4	US-10-425-115-220322	Sequence 220322,
29	82.5	8.1	342	4	US-10-425-115-220323	Sequence 220323,
30	82.5	8.1	352	4	US-10-425-114-63175	Sequence 63175, A
31	82.5	8.1	371	4	US-10-425-114-62424	Sequence 62424, A
32	82.5	8.1	372	4	US-10-425-114-53454	Sequence 53454, A
33	82.5	8.1	372	4	US-10-425-114-72059	Sequence 72059, A
34	82.5	8.1	375	4	US-10-425-114-58493	Sequence 58493, A
35	82.5	8.1	792	4	US-10-309-422-38	Sequence 38, Appl
36	82.5	8.1	824	4	US-10-467-595-4	Sequence 4, Appl
37	82.5	8.1	926	4	US-10-309-422-36	Sequence 36, Appl
38	82.5	8.1	957	4	US-10-309-422-14	Sequence 14, Appl
39	82.5	8.1	958	4	US-10-309-422-26	Sequence 26, Appl
40	82.5	8.1	1091	4	US-10-309-422-12	Sequence 12, Appl
41	82.5	8.1	1092	4	US-10-309-422-24	Sequence 24, Appl
42	82	8.1	497	4	US-10-298-796-4	Sequence 4, Appl
43	82	8.1	575	3	US-09-938-405-2	Sequence 2, Appl
44	82	8.1	575	4	US-10-150-440-3	Sequence 3, Appl
45	82	8.1	575	4	US-10-438-648-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1  
US-10-170-385-389  
; Sequence 389, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 532682000100  
; CURRENT APPLICATION NUMBER: US/10/170,385  
; PRIOR FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: PCT/GB02/01662  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: PCT/GB01/05458  
; PRIOR FILING DATE: 2001-12-10  
; NUMBER OF SEQ ID NOS: 549  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 389  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-170-385-389

Query Match 98.7%; Score 1005; DB 4; Length 193;  
Best Local Similarity 99.0%; Pred. No. 9.4e-97;  
Matches 191; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY	1	MQSLMQAPLLIALGLLLATPAQAHLKKPSQSSFSFSDNCFCGKDPVIRSLTLEPDP	PIVV 60
Db	1	MQSLMQAPLLIALGLLLATPAQAHLKKPSQSSFSFSDNCDEGKDPVIRSLTLEPDP	PIVV 60
QY	61	PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYGSCCTFEHFCVDL	DMLIP 120
Db	61	PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYGSCCTFEHFCVDL	DMLIP 120
QY	121	TGEPCEPLRTYGLPCHCPKEGTYSLPKSEFAVPDLELPSWLTGTGNRYIESVLSS	SGKR 180
Db	121	TGEPCEPLRTYGLPCHCPKEGTYSLPKSEFVVPDLELPSWLTGTGNRYIESVLSS	SGKR 180
QY	181	LGCIKIAASLKGI	193
Db	181	LGCIKIAASLKGI	193

RESULT 2  
US-10-723-860-529  
; Sequence 529, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators  
; FILE REFERENCE: 05882.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR APPLICATION NUMBER: 60/429,739  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 529  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-723-860-529

Query Match 98.2%; Score 1000; DB 5; Length 193;  
Best Local Similarity 98.4%; Pred. No. 3.1e-96;  
Matches 190; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
  
Qy 1 MQSLMQAPLLIALGLLLATPAQAHLKKPSQLSSFSWDCNCFEGKDPVIRSLTLEPDPPIV 60  
Db 1 MQSLMQAPLLIALGLLLAAPAQAHLKKPSQLSSFSWDCNDEGKDPVIRSLTLEPDPPIV 60  
  
Qy 61 PGNVTLSSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP 120  
Db 61 PGNVTLSSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP 120  
  
Qy 121 TGEPCPEPLRTYGLPCHCPFKEGTYSLPKSEFAVPDLELPSWLTGTGNRYRIESVLSSSGKR 180  
Db 121 TGEPCPEPLRTYGLPCHCPFKEGTYSLPKSEFAVPDLELPSWLTGTGNRYRIESVLSSSGKR 180  
  
Qy 181 LGCIKIAASLKG 193  
Db 181 LGCIKIAASLKG 193

RESULT 3  
US-10-450-763-31079  
; Sequence 31079, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 31079  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-31079

Query Match 98.2%; Score 1000; DB 5; Length 193;  
Best Local Similarity 98.4%; Pred. No. 3.1e-96;  
Matches 190; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MQSLMQAPLLIALGLLLATPAQAHLKKPSQLSSFSWDCNCFEGKDPVIRSLTLEPDPPIV 60  
Db 1 MQSLMQAPLLIALGLLLAAPAQAHLKKPSQLSSFSWDCNDEGKDPVIRSLTLEPDPPIV 60  
  
Qy 61 PGNVTLSSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP 120  
Db 61 PGNVTLSSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP 120  
  
Qy 121 TGEPCPEPLRTYGLPCHCPFKEGTYSLPKSEFAVPDLELPSWLTGTGNRYRIESVLSSSGKR 180  
Db 121 TGEPCPEPLRTYGLPCHCPFKEGTYSLPKSEFAVPDLELPSWLTGTGNRYRIESVLSSSGKR 180  
  
Qy 181 LGCIKIAASLKG 193  
Db 181 LGCIKIAASLKG 193

RESULT 4  
US-10-450-763-31076  
; Sequence 31076, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 31076  
; LENGTH: 76  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(76)  
; OTHER INFORMATION: Xaa = X or \* as defined in Table 2  
US-10-450-763-31076

Query Match 41.2%; Score 419; DB 5; Length 76;  
Best Local Similarity 100.0%; Pred. No. 6.8e-36;  
Matches 75; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 68 VVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP 127  
Db 2 VVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP 61  
  
Qy 128 PLRTYGLPCHCPFKE 142  
Db 62 PLRTYGLPCHCPFKE 76

RESULT 5  
US-10-264-049-2611  
; Sequence 2611, Application US/10264049  
; Publication No. US20040005579A1  
; GENERAL INFORMATION:  
; APPLICANT: Birse et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PA133P1  
; CURRENT APPLICATION NUMBER: US/10/264,049  
; CURRENT FILING DATE: 2002-10-04  
; PRIOR APPLICATION NUMBER: PCT/US01/18569  
; PRIOR FILING DATE: 2001-06-07  
; PRIOR APPLICATION NUMBER: US 60/209,467  
; PRIOR FILING DATE: 2000-06-07



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; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2611
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (141)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (184)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (187)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2611

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	Query Match	40.5%;	Score 412;	DB 4;	Length 191;
	Best Local Similarity	48.4%;	Pred. No. 1.2e-34;		
Matches	78; Conservative	24;	Mismatches 51;	Indels	8; Gaps 2
QY	13 LGLLLA-----TPAAHLKKPSQLSSFSWDNCFEKGDPAVIRSLTLEPDPPIVPGNVT	65			
		:	:	:	:
		:	:	:	:
		:	:	:	:
		:	:	:	:
Db	24 LGLLAGPAAHAVFAHAPVNPPQVISFFWENCHERKDPVLKLSMTLEPDPPIAYPGNVT	83			
		:	:	:	:
		:	:	:	:
		:	:	:	:
		:	:	:	:
QY	66 LSVVGSTSVPLSSPLKVDLVLEKEVAGLWKIPCTDYIGSCTFEHFCDVLDMLIPTGEPCC	125			
	:	:	:	:	:
		:	:	:	:
		:	:	:	:
Db	84 ISAEIQVRVPLSSPOKVELIIEKKVANFWIKVPCMSHV-RCIFEDICQILDFLIPPQXX	142			
		:	:	:	:
		:	:	:	:
		:	:	:	:
QY	126 PEPLRTYGLPCHCPKEGTYSLPKSBEFVAPDLELPSWLTTG	166			
		:	:	:	:
		:	:	:	:
		:	:	:	:
Db	143 PEPLHTYGLPCTVPSSRHLLNAORLLKPCPNNTDLPGITSG	183			
		:	:	:	:
		:	:	:	:
		:	:	:	:

RESULT 6  
US-09-864-761-34809  
; Sequence 34809, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
; FILE REFERENCE: Aecmca-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34809
; LENGTH: 61
; TYPE: PRF
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
; OTHER INFORMATION: EST HUMAN HIT: BE182886.1, EVALUAE 9.00e-34
; OTHER INFORMATION: SWISSPROT HIT: P17900, EVALUAE 1.00e-34

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		Query Match	34.7%	Score 353;	DB 3;	Length 61;
		Best Local Similarity	100.0%;	Pred. No.	4.2e-29;	
		Matches 61;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	82	V D L V L E K E V A G L W I K I P C T D Y I G S C T F E H F C D V L D M L I P T G E P C P E P L R T Y G L P C H C P F K	141			
D b	1	V D L V L E K E V A G L W I K I P C T D Y I G S C T F E H F C D V L D M L I P T G E P C P E P L R T Y G L P C H C P F K	60			
QY	142	E 142				
D b	61	E 61				

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RESULT 7
US-09-764-891-4977
; Sequence 4977, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN ET AL.
; TITLE OF INVENTION: NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4977
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (119)

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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (122)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (123)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4977

Query Match          16.0%; Score 162.5; DB 3; Length 126;
Best Local Similarity 54.2%; Pred. No. 9.9e-09;
Matches 32; Conservative 7; Mismatches 13; Indels 7; Gaps 1;

Qy 13 LGLLLA-----TPAQAHKKPSQLSSFSWDNCFEGKOPAVIRSLTLEPDPIWPGNV 64
Db 24 LGLLLAGPAAHAHVPAHAPVNPQQVISFFWENCHERKDPVLLKSMTLEPDPIAYPGNV 82

RESULT 8
US-10-450-763-31078
; Sequence 31078, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31078
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31078

Query Match          11.4%; Score 116; DB 5; Length 131;
Best Local Similarity 32.7%; Pred. No. 0.00077;
Matches 36; Conservative 10; Mismatches 28; Indels 36; Gaps 5;

Qy 43 KDPAVIRSLTLEPDPIWPGNVTLNVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDY 102
Db 2 RDKGSQERLQDPGQKLV---VSMDKAGGFS-----LEKEVAGLWIKIPCTDT 46

Qy 103 IGSCTFEHFCVDLMDLIPTGECPEPLRTYG-LP-----CHCPFKE 142
Db 47 LAA-----VPLNTSMCLTCYSYWGALPRAPAYLWASCHCPFKE 85

RESULT 9
US-10-425-115-297138
; Sequence 297138, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 297138
; LENGTH: 273
; TYPE: PRT
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; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_34069C.1.pep
US-10-425-115-297138

Query Match          9.7%; Score 98.5; DB 4; Length 273;
Best Local Similarity 26.7%; Pred. No. 0.14;
Matches 59; Conservative 24; Mismatches 73; Indels 65; Gaps 14;

Qy 3 SLMQAPL---LIALGLLLATPAQAHLKK-----PSQLSSFSWDNCFEGKDPAVI---RS 50
Db 70 ALLPAALPASLFPAAASILYSPLQAVLPRCGISLCPAELAPA--PSCSSRPPAPLLAWSS 127

Qy 51 LTLEPDPIWPGNVTLNVGSTSVPLSSPLKV-----DLVLEKEVAGLW----- 94
Db 128 SFLVPVPCVFP--VTSMAAPSL-PLSSPLRVRPLVSSLRARSFLCVPAATSLWCFLPA 184

Qy 95 -IKIPCTDYIGSCTFEHFCVDLMDLIPTGECPEPLRTYGLPCH-----CPFKEGTY 145
Db 185 RAKFPCCSLALGPC-----STVPCCF SARV-KFPCCRVCLGRKPVCPRR--AC 227

Qy 146 SLPKSEFAVPDLELPSWLTTGNRYIESVLSSSG--KRLGCI 184
Db 228 CSPKR----PMLQRPYFMSFHVGVIVSVVSSSGINKQTGAV 264

RESULT 10
US-10-369-493-20746
; Sequence 20746, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20746
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Rhodospseudomonas palustris
US-10-369-493-20746

Query Match          9.0%; Score 91.5; DB 4; Length 641;
Best Local Similarity 25.4%; Pred. No. 2.3;
Matches 47; Conservative 30; Mismatches 63; Indels 45; Gaps 11;

Qy 45 PAVIRSLTLEPD-PIVPGNVTLNVGSTSVPLS-----SPLKVDLVLEK 88
Db 351 PTAIRALMQAGDEPVKTSRKSLRLLSGVGEPINPEAWHYHRVVGEDRCPT-VDTWWQT 409

Qy 89 EVAGLWI-KIPCTDYI--GSCTFEHFCVDLMDLIP-----TGEPC-----PEPLRT 131
Db 410 ETGGILITPLPGATKLKPGSATRPFPGVVPFILDPEGNVLEGECTGNLCLARSWPGQMRT 469

Qy 132 -YGLPCHCPKEGTYSLPKSEFAV-----PDLELPSWLTTGNRYIESVLSSSGKRLGCIK 185
Db 470 VYG--DHARFEQTYFSAYKGKYFTGDGCRDRTDGFYWTG---RVDDVINVSCHRMGTAE 524

Qy 186 IAASL 190
Db 525 VESSL 529

RESULT 11
US-10-369-493-20109
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; Sequence 20109, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20109
; LENGTH: 651
; TYPE: PRT
; ORGANISM: No. US20030233675A1toc punctiforme
US-10-369-493-20109

Query Match      8.8%; Score 90; DB 4; Length 651;
Best Local Similarity 27.2%; Pred. No. 3.4;
Matches 41; Conservative 22; Mismatches 50; Indels 38; Gaps 9;

QY 68 VVGSTSVPLSSPLKVDLVLEKEVAGLWI-----KIPCTDYIGSCTFEH---FCDVLDM-- 117
Db 404 VIGDRCPI-----VDTWQETGIMITPLPGAIPTKP--GSATLPFPFGIADWDLEG 456

QY 118 -LIPTGE-----PCPEPLRT-YGLP-----CHCPKEGTYSLPKSEFAVPDLEL 159
Db 457 NTVPNNEGGYLAVRHPWPGMMRTYVGDPERFRRTYWEHIPPQDGKYTYFAGDGRQDEDG 516

QY 160 PSLWTTGNYRIESVLSSSGKRLGCIKIAASL 190
Db 517 YFWVMG---RVDDVLNVSGHRLGTMEVESAL 544

RESULT 12
US-10-437-963-187458
; Sequence 187458, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 187458
; LENGTH: 796
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_84159C.1.pep
US-10-437-963-187458

Query Match      8.6%; Score 88; DB 4; Length 796;
Best Local Similarity 24.2%; Pred. No. 7.2;
Matches 57; Conservative 22; Mismatches 63; Indels 94; Gaps 12;

QY 24 HLKPKSQLSSFWNCFEKGDPVIRSLTLEPPIV-----VPGNVTL----- 66
Db 108 NLKKAS-----DNEFTGKLPDVLGSLTELDLVRNCRISENLETVDLVSFKFAALTMLF 160
```

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QY 67 ----SVVGSTSVPLSSPLKV-DLVLEKEVAG----- 92
Db 161 LGNNSLIGTLDPDVISSSLKVMNLVANNIVLGSSTKNSDISTRGSNDNTIYEADATNLGDASY 220
QY 93 -----LWIKIPCTDYIGSCT-----FEHFCVDLD-MLIPTGEPCEPELRTYGLPCH 137
Db 221 YVTDQIRW-GVSNVGYFYQATDRMDIYSSSEHFQTAVDSKLFETARMSPSLSRYVGL--- 276
QY 138 CPFKEGTYG--LPKSEFAVPDLELPSWLTGTGNYRIESVLSSSGKRLGCIKIAASLK 191
Db 277 -GLENNGYTVMLQFAEFAFPDQ--TWL-----SLGRRIFDIYVQGALK 317

RESULT 13
US-10-425-115-251307
; Sequence 251307, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 251307
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_160777C.1.pep
US-10-425-115-251307

Query Match      8.5%; Score 86.5; DB 4; Length 196;
Best Local Similarity 19.1%; Pred. No. 1.6;
Matches 41; Conservative 37; Mismatches 74; Indels 63; Gaps 8;

QY 4 LMQAPLLIAL--GLLLATPA-----QAHLK-----KPSQLS 32
Db 1 MLRSTLLALTSTLALASPVLEPRGLQANAEQVVLNGVSWGANKLSHVGTDDAGQVGTLT 60
QY 33 SPSWDNCFEGKDPVIRSLTLEPDPPIVPGNVTLNVGTSVPLSSPLKVDLVLEKEVAG 92
Db 61 KWDWTDGSPSDALQIDSIKISPDPPKPGQDLTIIVASGRAQSKIDFGTYADVTYKLGLIK 120
QY 93 LWIKIPCTDYIGSCTFEHFCVDLDMLIPTGEPCEPELRTYGLPCHCPKEGTYSLPKSEF 152
Db 121 LLTK-----TFD-VCDELNANAT-----LRCPIAPGTHSITQT-- 153

QY 153 AVPDLELPSWLTGTGNYRIES-VLSSSGKRLGCIKI 186
Db 154 ----VALPREIPRAKFQVDALVYTQDEEPAACINL 184

RESULT 14
US-10-725-013-2
; Sequence 2, Application US/10725013
; Publication No. US20040198683A1
; GENERAL INFORMATION:
; APPLICANT: Sehgal, Lakshman R.
; APPLICANT: Wong, Jonathan
; TITLE OF INVENTION: Ex vivo and in vivo expression of the thrombomodulin gene
; FILE REFERENCE: 3840-005-27
; CURRENT APPLICATION NUMBER: US/10/725,013
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/430,099
; PRIOR FILING DATE: 2002-12-02
; NUMBER OF SEQ ID NOS: 6
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:27:39 ; Search time 22.3022 Seconds  
(without alignments)  
122.986 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 1018  
Sequence: 1 MQSLMQAPLLIALGLLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 107799 seqs, 14211699 residues

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA New:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US08 NEW PUB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/US06 NEW PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US07 NEW PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/PCT NEW PUB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US09 NEW PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/US10 NEW PUB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US11 NEW PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US60 NEW PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1005	98.7	201	6	US-10-821-234-1162
2	86.5	8.5	416	7	US-11-098-686-10708
3	82	8.1	631	6	US-10-995-561-546
4	78.5	7.7	1299	7	US-11-169-041-231
5	75	7.4	483	7	US-11-072-512-3911
6	74	7.3	519	7	US-11-099-691-10
7	72.5	7.1	399	7	US-11-124-367A-302
8	72	7.1	1476	7	US-11-019-711-114
9	71.5	7.0	269	6	US-10-131-826A-530
10	71.5	7.0	269	7	US-11-219-146-2
11	71.5	7.0	693	7	US-11-167-856-2
12	69.5	6.8	269	7	US-11-219-146-4
13	69.5	6.8	269	7	US-11-219-146-6
14	69.5	6.8	269	7	US-11-219-146-8
15	69	6.8	660	7	US-11-033-039-385
16	69	6.8	661	7	US-11-155-288-13
17	69	6.8	661	7	US-11-119-502-1
18	69	6.8	662	7	US-11-090-439-9
19	68.5	6.7	406	5	US-09-978-360A-430
20	68.5	6.7	406	6	US-10-131-826A-66
21	68.5	6.7	406	6	US-10-131-826A-258
22	68	6.7	344	7	US-11-186-284-20
23	68	6.7	344	7	US-11-097-224B-4
24	68	6.7	618	7	US-11-110-082-25
25	67.5	6.6	444	7	US-11-205-109-7

26	67.5	6.6	2630	7	US-11-186-731-2	Sequence 2, Appli
27	67.5	6.6	7968	7	US-11-186-731-5	Sequence 5, Appli
28	67	6.6	199	7	US-11-019-711-102	Sequence 102, App
29	67	6.6	478	7	US-11-076-733-13	Sequence 13, Appl
30	66.5	6.5	209	7	US-11-219-146-18	Sequence 18, Appl
31	66.5	6.5	209	7	US-11-219-146-22	Sequence 22, Appl
32	66.5	6.5	984	7	US-11-113-424-60	Sequence 60, Appl
33	66	6.5	388	6	US-10-527-500-51	Sequence 51, Appl
34	66	6.5	2911	7	US-11-090-617-706	Sequence 706, App
35	65.5	6.4	522	7	US-11-184-399-8	Sequence 8, Appli
36	65.5	6.4	1029	6	US-10-821-234-908	Sequence 908, App
37	65.5	6.4	1206	6	US-10-467-657-72	Sequence 72, Appl
38	65.5	6.4	1206	6	US-10-467-657-3892	Sequence 3892, Ap
39	65.5	6.4	2725	7	US-11-113-424-52	Sequence 52, Appl
40	65	6.4	324	7	US-11-077-386-15	Sequence 15, Appl
41	65	6.4	383	7	US-11-072-512-3579	Sequence 3579, Ap
42	65	6.4	426	7	US-11-043-788-427	Sequence 427, App
43	65	6.4	1041	6	US-10-995-561-780	Sequence 780, App
44	65	6.4	1041	6	US-10-995-561-782	Sequence 782, App
45	65	6.4	1097	6	US-10-995-561-781	Sequence 781, App

ALIGNMENTS

RESULT 1  
US-10-821-234-1162  
; Sequence 1162, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt SEQ\_genes Version 1.0  
; SEQ ID NO 1162  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1162

Query Match	98.7%	Score	1005;	DB	6;	Length	201;
Best Local Similarity	99.0%	Pred. No.	6.4e-96;				
Matches	191;	Conservative	0;	Mismatches	2;	Indels	0;
						Gaps	0;
QY	1	MQSLMQAPLLIALGLLLATPAQAHLKKPSQSSFSWDCNCFEGKDPVIRSLTLEPDPPIV	60				
Db	9	MQSLMQAPLLIALGLLLATPAQAHLKKPSQSSFSWDCNCFEGKDPVIRSLTLEPDPPIV	68				
QY	61	PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDIIGSCTFEHFCVDVLDMLIP	120				
Db	69	PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDIIGSCTFEHFCVDVLDMLIP	128				
QY	121	TGEPCEPLRTYGLPCHCPKFGTYSPLKSEFAVPDLELPSWLTTGNRYIESVLSSSGKR	180				
Db	129	TGEPCEPLRTYGLPCHCPKFGTYSPLKSEFAVPDLELPSWLTTGNRYIESVLSSSGKR	188				
QY	181	LGCIKIAASLKGI	193				
Db	189	LGCIKIAASLKGI	201				

RESULT 2  
US-11-098-686-10708  
; Sequence 10708, Application US/11098686  
; Publication No. US20060024696A1

```
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10708
; LENGTH: 416
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10708

Query Match      8.5%; Score 86.5; DB 7; Length 416;
Best Local Similarity 21.1%; Pred. No. 0.22;
Matches 43; Conservative 29; Mismatches 63; Indels 69; Gaps 9;

Qy 13 LGLLLATPAQAHLLKPSQLSSFSWD-NCFEGKDPVIRSLTLEPDPVIVPGNVTLSSVGS 71
Db 169 IGLKLFKQIAAQLKE-----SFWDVTLIRGNYTQVLKSI-SPLHLMSGNMLNELKKG 222
Qy 72 TSVPLSSPLK-----VDLVLEKEVAGLWIKIPCTDY-----IGSCT 107
Db 223 TNHLIRSRMEQVMVLINNVLHSDGAALFVE-PGTRLGKLMSTLREVAIQDTFISIA PCT 281
Qy 108 FEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEFAVPDLELP SWLTTGN 167
Db 282 HTAFCLFN-----STNNLWCHVLF-----DVDAPQWLLN-- 311
Qy 168 YRIESVLSGSKRLGCIKIAASLK 191
Db 312 -----LSQAANLSKVVSFSFQ 328

RESULT 3
US-10-995-561-546
; Sequence 546, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 546
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-546

Query Match      8.1%; Score 82; DB 6; Length 631;
Best Local Similarity 23.3%; Pred. No. 1.1;
Matches 49; Conservative 23; Mismatches 74; Indels 64; Gaps 12;

Qy 8 PLLIALGLLLAT-----PAQAHLLKPSQLSSFSWDCPEGKDPVIRSLTLEPDPV 59
Db 191 PLCVAVSAAEATVPSEPIWEEQQCEVKADGFLCEHF-----PATCRPLAVEPGAA 242
Qy 60 VPGNVTLV-----VGSTVPLSPKVDLVL-----EKEVAGLWI 95
Db 243 AAVSITYGTTPFAARGADFOALPVGSSAA--VAPLGLQLMCTAPPGAVQGHWAREAPGAW- 299
Qy 96 KIPCTDYIGSCTFEHFCVDLMDLIPTGEPCEP-----LRTYGLPCHCPFKEGTYSLPKSE 151
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Db 300 --DCSVENGGC--EHACNA----IPGAPRCQCPAGAAALQADGRSCTASATQSCNDLCE-H 350
Qy 152 FAVPDLELP SWLTTGNVRIESVLSSSGKRL 181
Db 351 FCVPNPDQP-----GSY---SCMCETGYRL 372

RESULT 4
US-11-169-041-231
; Sequence 231, Application US/11169041
; Publication No. US20060019284A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF
; TITLE OF INVENTION: COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE
; TITLE OF INVENTION: KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 10001 NP
; CURRENT APPLICATION NUMBER: US/11/169,041
; CURRENT FILING DATE: 2005-06-28
; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 231
; LENGTH: 1299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-169-041-231

Query Match      7.7%; Score 78.5; DB 7; Length 1299;
Best Local Similarity 25.5%; Pred. No. 6;
Matches 36; Conservative 17; Mismatches 39; Indels 49; Gaps 5;

Qy 44 DPAVIRSLTLEPDPVIVPGNVTLSSVVGST-----SVPL-----SS 78
Db 827 EPAVVMGHSGEDLPMVAPGNVRNVVNSTLAEVHWDVPLKSI RHLQGYRIYYWKTQSS 886
Qy 79 PLKVDLVLEKEVAGLWIKIPCTDYIGSCT-----FEHFCVDLMDLIPTGEPCEPL 129
Db 887 SKRNRRIEKKI-----LTFQGSKTHGMLPGLPEFSHYTLNVRVNVNKGEGPASPD 937
Qy 130 RYGLPCHCPFKEGTYSLPKS 150
Db 938 RVFNTP-----EGVPSVPSS 952

RESULT 5
US-11-072-512-3911
; Sequence 3911, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
```





```
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 114
; LENGTH: 1476
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-019-711-114
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Query Match 7.1%; Score 72; DB 7; Length 1476;
Best Local Similarity 21.6%; Pred. No. 33;
Matches 29; Conservative 29; Mismatches 40; Indels 36; Gaps 6;

QY 33 SFSWDNCFEGKDPVIRSLTLEPDPVIVPGNVTLVSVGTSVPLSSPLKVDLVLEKEVA- 91
Db 1287 SFSQKQFQVENSRLLLQQVAL-PD--IPGDYTISVSGEGCYVAQTMLRYNMHLEKQLSA 1342

QY 92 -GLWIK--IPCTDYIGSCTFEHFCVDVLDMLIPTGEPCEPLRTYGLPCHCPFKEGTYSL 147
Db 1343 FAIWVQTVPLTCNNPKGHSFOISLEI-----SY-----TGSR 1375

QY 148 PKSEFVAPDLELPS 161
Db 1376 PASNMVIAADVKMLS 1389
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RESULT 9
US-10-131-826A-530
; Sequence 530, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
```

```
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 530
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-530
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Query Match 7.0%; Score 71.5; DB 6; Length 269;
Best Local Similarity 21.4%; Pred. No. 4.3;
Matches 48; Conservative 19; Mismatches 64; Indels 93; Gaps 8;

QY 9 LLIALGLLLA-----TPQAHLKKPSQ-----LSSFSDNCFEGKDP 45
Db 24 LAAALGLLTAGVSALEVYTPKEIFVANGTQGLTCKFKSTSTTGGTTSVSWSFQEGADT 83

QY 46 AVI-----RSLTLE-----PDP 57
Db 84 TVSFFHYSGQGVYLGNYPPFKDRISWAGLDKKDASININMQFIHNGTVICDVKNPPDI 143

QY 58 IVPGNVTLVSVGTSVPLSSPLKVDLVLEKEVAGLWIKIPC-----TDYIGS 105
Db 144 VVQPGRHRLYVVEKENLPVFPVWVGIVTAVVLGTLTLLISMILAVLYRRKNKRDYTG- 202

QY 106 CTFEHFCDVLDMLIPTGE-PCPEPLRTYGLPCHCPFKEGTYSLP 148
Db 203 -----CSTSESLSPVKQAPRKSPSDTEGLVKSLP--SGSHQGP 238
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RESULT 10
US-11-219-146-2
; Sequence 2, Application US/11219146
; Publication No. US20060014932A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
```



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; APPLICANT: Zhao, Zhizhuang
; TITLE OF INVENTION: PURIFIED AND ISOLATED PROTEIN ZERO RELATED (PZR) AND THERAPEUTIC
; TITLE OF INVENTION: AND SCREENING METHODS USING SAME
; FILE REFERENCE: 1242/11/2/2/2
; CURRENT APPLICATION NUMBER: US/11/219,146
; CURRENT FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: US 09/430,503
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: US 60/106,459
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 6
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-219-146-6

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	Query Match	6.8%;	Score 69.5;	DB 7;	Length 269;		
	Best Local Similarity	21.0%;	Pred. No. 6.9;				
	Matches	47;	Conservative	20;	Mismatches 64;	Indels 93;	Gaps 8;
Qy	9	LLIALGLLLA-----TPAQAHLLKKPSQ-----LSSFSWDNCFEGKOP	45				
		:      :    :					
		:      :					
Db	24	LAAALGILTACGSALEVYTPKEIFVANGTQGLTKCFKSTSTGGLTSVSNFSQPEGADT	83				
		:      :					
		:      :					
Qy	46	AVI-----RSLTLE-----PDP	57				
		:					
		:					
Db	84	TVSFFHYSQGVYLGNYPPFKDRISWAGDLDDKQASINIENMQFIHNGTYICDVKNPPDI	143				
		:      :					
		:      :					
Qy	58	IVVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKPC-----TDYIGS	105				
		:      :					
		:      :					
Db	144	VVQPGHIRLYVVEKENLPVFPVVVVVGIVTAVVLGLTLLISMILAVLYRRKNSKRDTG-	202				
		:      :					
		:      :					
Qy	106	CTFEHFCDVLDMLIPTGE-PCPEPLRTYGLPCHCPFKEGTYSLP	148				
		:      :					
		:      :					
Db	203	-----CSTSESLSPVKQAPRKSPSDTEGLVKLSLP--SGSHOGP	238				
		:      :					
		:      :					

RESULT 14  
 US-11-219-146-8  
 ; Sequence 8, Application US/11219146  
 ; Publication No. US20060014932A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Vanderbilt University  
 ; APPLICANT: Zhao, Zhizhuang  
 ; TITLE OF INVENTION: PURIFIED AND ISOLATED PROTEIN ZERO RELATED (PZR) AND THERAPEUTIC  
 ; TITLE OF INVENTION: AND SCREENING METHODS USING SAME  
 ; FILE REFERENCE: 1242/11/2/2/2  
 ; CURRENT APPLICATION NUMBER: US/11/219,146  
 ; CURRENT FILING DATE: 2005-09-02  
 ; PRIOR APPLICATION NUMBER: US 09/430,503  
 ; PRIOR FILING DATE: 1999-10-29  
 ; PRIOR APPLICATION NUMBER: US 60/106,459  
 ; PRIOR FILING DATE: 1998-10-30  
 ; NUMBER OF SEQ ID NOS: 49  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 8  
 ; LENGTH: 269  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-219-146-8

Query Match	6.8%;	Score 69.5;	DB 7;	Length 269;
Best Local Similarity	21.0%;	Pred. No. 6.9;		
Matches 47;	Conservative 20;	Mismatches 64;	Indels 93;	Gaps 8;

  

Qy	9	LLIALGLLLA-----TPQAHLKKPSQ-----	-----LSSFSWDNCFEGKOP	45
Db	24	LAALGILTAGYSALEVYTPKEIFVANGTQGLTKCKFKSTSTGGLTSVSWSPQEGADT	83	
Qy	46	AVI-----	-----RSLTLE-----	57

Db	84	TVSFFHYSQGVYLGNYPPFFKDRIISWAGDLDDKSDASINNIENMQFIHNGTYICDVKNPPDI	143
QY	58	IVVPGNVTLVVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPC-----TDYIGS	105
Db	144	VVQPGHIRLYVVEKENLPVFPVVVVVGIVTAVVLGLTLLISMITLAVLYRRKNSKRDYTG-	202
QY	106	CTFEHFCDVLDMLIPTGE-PCBEPLRTYGLPCHCPFKEGTYSLP	148
Db	203	-----CSTSELSLPVKQAPRKSPSDTEGLVKSLP--SGSHQGP	238

RESULT 15  
US-11-033-039-385  
; Sequence 385, Application US/11033039  
; Publication No. US20060002947A1  
; GENERAL INFORMATION:  
; APPLICANT: HUMPHREYS, ROBERT  
; APPLICANT: XU, MINZHEN  
; TITLE OF INVENTION: LI-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES  
; FILE REFERENCE: REH-2017US01  
; CURRENT APPLICATION NUMBER: US/11/033,039  
; CURRENT FILING DATE: 2005-01-11  
; PRIOR APPLICATION NUMBER: 10/245,871  
; PRIOR FILING DATE: 2002-09-17  
; PRIOR APPLICATION NUMBER: 10/197,000  
; PRIOR FILING DATE: 2002-07-17  
; PRIOR APPLICATION NUMBER: 09/396,813  
; PRIOR FILING DATE: 1999-09-14  
; NUMBER OF SEQ ID NOS: 1452  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 385  
; LENGTH: 660  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-11-033-039-385

	Query Match	6.8%;	Score 69;	DB 7;	Length 660;	
	Best Local Similarity	23.5%;	Pred. No. 24;			
	Matches 43;	Conservative	24;	Mismatches	54;	Indels 62; Gaps 11;
Qy	4	LMAPELLIAL-----GLLIATPAQAHLKKPSQLSSFSWDCNCFEGKDPVIRSLTLEPDP	57			
Dd	232	LRNQPLTFALQLHDPGYL---AEADL-----SYTDW--FGDSSGTLISRALVVVTH	278			
Qy	58	IIVPGNVITLSVWGTSVPL-----SSPL-----KVDLVLEKEVAGLWIKIPTDYIGSC	106			
Dd	279	YLEPGPVTAQVVLQAAIPLTSCGSSVPVGTTDGHRTAEAPNTTAG--QVPTTEVVGGT	335			
Qy	107	TFEHFCDVLDMLIPTGEPCPEPLRITYGLPCHCPFKEGTYS--LPKSE-FAVPDLELPSSL	163			
Dd	336	PGQ-----APTAE-----SGTTSVQVPTTEVISIAPVQMPTAE	369			
Qy	164	TTG	166			
Dd	370	STG	372			

Search completed: February 15, 2006, 09:32:49  
Job time : 23.3022 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:07:30 ; Search time 73.7689 Seconds  
(without alignments)  
216.303 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 1018  
Sequence: 1 MQSLMQAPLLIALGLLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/iaa/6\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/iaa/H\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/iaa/RE\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1005	98.7	193	2	US-09-183-841-1 Sequence 1, Appli
2	857	84.2	178	2	US-09-183-841-2 Sequence 2, Appli
3	88.5	8.7	310	2	US-09-976-594-807 Sequence 807, App
4	86.5	8.5	410	2	US-08-630-172-17 Sequence 17, Appl
5	86.5	8.5	410	2	US-09-375-419-17 Sequence 17, Appl
6	86.5	8.5	768	2	US-09-302-812-8 Sequence 8, Appli
7	86.5	8.5	768	2	US-09-511-477-8 Sequence 8, Appli
8	86.5	8.5	768	2	US-09-511-507-8 Sequence 8, Appli
9	86.5	8.5	768	2	US-09-973-451-8 Sequence 8, Appli
10	86	8.4	143	2	US-09-860-793-3 Sequence 3, Appli
11	83	8.2	572	6	5256770-7 Patent No. 5256770
12	82	8.1	446	1	US-08-307-444A-5 Sequence 5, Appli
13	82	8.1	446	1	US-08-387-389-5 Sequence 5, Appli
14	82	8.1	456	1	US-08-307-444A-3 Sequence 3, Appli
15	82	8.1	456	1	US-08-307-444A-4 Sequence 4, Appli
16	82	8.1	456	1	US-08-587-389-3 Sequence 3, Appli
17	82	8.1	456	1	US-08-587-389-4 Sequence 4, Appli
18	82	8.1	475	1	US-08-307-444A-1 Sequence 1, Appli
19	82	8.1	475	1	US-08-307-444A-2 Sequence 2, Appli
20	82	8.1	475	1	US-08-587-389-1 Sequence 1, Appli
21	82	8.1	475	1	US-08-587-389-2 Sequence 2, Appli
22	82	8.1	476	1	US-08-014-723-1 Sequence 1, Appli
23	82	8.1	476	1	US-08-014-723-2 Sequence 2, Appli
24	82	8.1	476	1	US-08-014-723-18 Sequence 18, Appl
25	82	8.1	476	1	US-08-110-011A-1 Sequence 1, Appli
26	82	8.1	476	1	US-08-110-011A-2 Sequence 2, Appli
27	82	8.1	476	1	US-08-110-011A-18 Sequence 18, Appl

28	82	8.1	494	1	US-08-014-723-14 Sequence 14, Appl
29	82	8.1	494	1	US-08-014-723-16 Sequence 16, Appl
30	82	8.1	494	1	US-08-110-011A-14 Sequence 14, Appl
31	82	8.1	494	1	US-08-110-011A-16 Sequence 16, Appl
32	82	8.1	497	1	US-08-312-870-3 Sequence 3, Appli
33	82	8.1	497	2	US-09-331-793-4 Sequence 4, Appli
34	82	8.1	498	1	US-08-733-564-2 Sequence 2, Appli
35	82	8.1	516	2	US-09-509-994-1 Sequence 1, Appli
36	82	8.1	516	2	US-09-509-994-2 Sequence 2, Appli
37	82	8.1	575	1	US-08-261-206A-59 Sequence 59, Appl
38	82	8.1	575	1	US-08-312-870-1 Sequence 1, Appli
39	82	8.1	575	1	US-08-170-290A-54 Sequence 54, Appl
40	82	8.1	575	2	US-09-880-484D-2 Sequence 2, Appli
41	82	8.1	575	2	US-10-438-648-2 Sequence 2, Appli
42	82	8.1	575	2	US-09-949-002-296 Sequence 296, App
43	82	8.1	575	6	5466668-6 Patent No. 5466668
44	82	8.1	682	2	US-09-949-002-436 Sequence 436, App
45	82	8.1	746	2	US-09-370-838-185 Sequence 185, App

ALIGNMENTS

RESULT 1  
US-09-183-841-1  
; Sequence 1, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: (33)..(55)  
; FEATURE:  
; OTHER INFORMATION: residues 56-63 are included in a further precursor  
; OTHER INFORMATION: form of the protein  
US-09-183-841-1

Query Match	98.7%	Score 1005;	DB 2;	Length 193;
Best Local Similarity	99.0%	Pred. No. 3.9e-110;		
Matches	191;	Conservative	0;	Mismatches 2;
Indels	0;	Gaps	0;	
Qy	1	MQSLMQAPLLIALGLLLATPAQAHLKKPSQLSSFSWDNCFEGKDPVIRSLTLEPDP	IVV	60
Db	1	MQSLMQAPLLIALGLLLATPAQAHLKKPSQLSSFSWDNCFEGKDPVIRSLTLEPDP	IVV	60
Qy	61	PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP	120	
Db	61	PGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIP	120	
Qy	121	TGEPCEPLRTYGLPCHCPKFGTYSLPKSEFAVPDLELPSWLTGTGNYRIESVLS	SSGKR	180
Db	121	TGEPCEPLRTYGLPCHCPKFGTYSLPKSEFAVPDLELPSWLTGTGNYRIESVLS	SSGKR	180
Qy	181	LGCIKIAASLKGI	193	
Db	181	LGCIKIAASLKGI	193	

RESULT 2  
US-09-183-841-2  
; Sequence 2, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:

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; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: His tag at residues 1 to 17
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: amino acid
; OTHER INFORMATION: sequence of GM2 protein using His6 tag
US-09-183-841-2

Query Match      84.2%; Score 857; DB 2; Length 178;
Best Local Similarity 98.8%; Pred. No. 9.8e-93;
Matches 160; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 32 SSFSDNCFEGKDPVIRSLTLEPDPVVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVA 91
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 17 SSFSDNCDGKDPVIRSLTLEPDPVVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVA 76

QY 92 GLWIKIPTDIYIGSCTFEHFCVDVLDMLIPTGEPCEPLRTYGLPCHCPKEGTYSLPKSE 151
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 77 GLWIKIPTDIYIGSCTFEHFCVDVLDMLIPTGEPCEPLRTYGLPCHCPKEGTYSLPKSE 136

QY 152 FAVPDLELPSWLTGNYRIESVLSSSGKRLGCIKIAASLKGI 193
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 137 FVVPDLELPSWLTGNYRIESVLSSSGKRLGCIKIAASLKGI 178

RESULT 3
US-09-976-594-807
; Sequence 807, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 807
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 2770104CD1
US-09-976-594-807

Query Match      8.7%; Score 88.5; DB 2; Length 310;
Best Local Similarity 24.7%; Pred. No. 0.088;
Matches 55; Conservative 20; Mismatches 67; Indels 81; Gaps 10;

QY 9 LLIALGLLLATPAQAH---LKKPSQLSSFSWDNCFEGKDPVIRSLTLEPDPVVPGN-V 64
   :||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 51 VLICLGLSGPRTHVQTGTPKP-----TLWAEFDSVITQGSVP 89

QY 65 TLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTD-----YIGSCTFEH----- 110
   ||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 90 TLSCQGSLEAQ-----EYLYREKKSAS-WIRIRPELVKNGQFHIPSITWEHTGRYGCQ 143

QY 111 -----FCDVLDMLI-----PTGEPCEPLRTYG-----LPCHCPKEGTYSLPKSE 151
   : : : ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
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Db 144 YYSRARWSELSDPLVAGDDRSYQNPTSPSPGPVVTGKNVTLLCQSRGQFHTFLTKEG 203
QY 152 FAVPDLELPs-----WLTGNYRIESVLSSS 177
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 204 AGHPPLHLRSEHQAOQNAEFRMGVPVTSARHVGTYRCYSSLSN 246

RESULT 4
US-08-630-172-17
; Sequence 17, Application US/08630172
; Patent No. 6060054
; GENERAL INFORMATION:
; APPLICANT: Staerz, Uwe
; TITLE OF INVENTION: NOVEL PRODUCT AND PROCESS FOR T
; TITLE OF INVENTION: LYMPHOCYTE VETO
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross & McIntosh
; STREET: 1700 Lincoln Street, 35th Floor
; CITY: Denver
; STATE: Colorado
; COUNTRY: U.S.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,172
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2879-36
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 410 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-630-172-17

Query Match      8.5%; Score 86.5; DB 2; Length 410;
Best Local Similarity 25.6%; Pred. No. 0.23;
Matches 42; Conservative 14; Mismatches 43; Indels 65; Gaps 9;

QY 26 KKPSQLSSFS-----WDCNCFEGKDPVIRSLTLEPDPVV-----PGNVTLSVVGST- 72
   ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 46 KGPSKLNDRADSRRLWD---QGNFPLTIKNLKIEDSDTYICEVEDQKEEVQLLVFGLTA 102

QY 73 -----SVPLSSP-----LKVDLVLEKEVAGLWIKIP 98
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 103 NSDTHLLQGQSLTLTLESPGSSPSVQCRSPRGKNIQGKTLVS-QLELQDAGTWI--- 158

QY 99 CTDYIGSCTFEHFCVDVLDMLIPTG---EPCPEPLRTYGLPCHCP 139
   ||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 159 CTVLQNKQKVEFKIDIVLAEPRGPTIKPCP-----PCKCP 194

RESULT 5
US-09-375-419-17
; Sequence 17, Application US/09375419
; Patent No. 6264950
; GENERAL INFORMATION:
; APPLICANT: Staerz, Uwe
; TITLE OF INVENTION: NOVEL PRODUCT AND PROCESS FOR T
; TITLE OF INVENTION: LYMPHOCYTE VETO
; NUMBER OF SEQUENCES: 41
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; Patent No. 6395543
; GENERAL INFORMATION:
; APPLICANT: JACOBSON, Myron K.
; APPLICANT: JACOBSON, Elaine L.
; APPLICANT: AME, Jean-Christophe
; APPLICANT: LIN, Winston
; TITLE OF INVENTION: GENES ENCODING SEVERAL POLY(ADP-RIBOSE) GLYCOHYDROLASE (PARG) EN
; TITLE OF INVENTION: THE PROTEINS AND FRAGMENTS THEREOF, AND ANTIBODIES IMMUNOREACTIV
; TITLE OF INVENTION: THEREWITH
; FILE REFERENCE: NIAD 201
; CURRENT APPLICATION NUMBER: US/09/511,507
; CURRENT FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/302,812
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 8
; LENGTH: 768
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
US-09-511-507-8
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Best Local Similarity 25.4%; Pred. No. 0.57;
Matches 53; Conservative 25; Mismatches 94; Indels 37; Gaps 9;

Qy      3  SLMQAPLLIALGLLLATPAQAHLKKPSQLSSF---SWDNCFEGKDPVIRSL----- 51
Db      245  SQQQISCLLANAFCTFPRRNTLKRKSEYSTFPDINFNPLYQSTGPAVLEKLCIMHYFR 304

Qy      52  ---TLEPDPVVPGNVTLVVGSG-----TSVPLSS-PLKVDL--VLEKEVAGLW 94
Db      305  RVCPTERDASNVTGVVTFVRRSGLPEHLIDWSQSAAPLGDVPLHVDAGTIEDEGIGLL 364

Qy      95  IKIPCTDYIGSCTFEHFC--DVLDMLIPTGEPCEPL-RTYGLPCHCPKPEGTYSLPKSE 151
Db      365  QVDFANKYLGCGVLGHGCVQEEIRFVI-----CPELLVVKLFTECLRPF-EALVMLGAER 418

Qy      152  FAVPDLELPswLTtGNYRIESVLSSSGKR 180
Db      419  YSNYTGAGSFEWSGNFEDSTPRDSSGRR 447
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RESULT 9
US-09-973-451-8
; Sequence 8, Application US/09973451
; Patent No. 6906180
; GENERAL INFORMATION:
; APPLICANT: JACOBSON, Myron K.
; APPLICANT: JACOBSON, Elaine L.
; APPLICANT: AM, Jean-Christophe
; APPLICANT: LIN, Winston
; TITLE OF INVENTION: GENES ENCODING SEVERAL POLY(ADP-RIBOSE) GLYCOHYDROLASE
; TITLE OF INVENTION: (PARG) ENZYMES,
; TITLE OF INVENTION: THE PROTEINS AND FRAGMENTS THEREOF, AND ANTIBODIES IMMUNOREACTIV
; TITLE OF INVENTION: THEREWITH
; FILE REFERENCE: NIAD 201
; CURRENT APPLICATION NUMBER: US/09/973,451
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US/09/302,812
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/083,768
; PRIOR FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 8
; LENGTH: 768
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
US-09-973-451-8
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Query Match      8.5%; Score 86.5; DB 2; Length 768;
Best Local Similarity 25.4%; Pred. No. 0.57;
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Matches 53; Conservative 25; Mismatches 94; Indels 37; Gaps 9;

Qy      3  SLMQAPLLIALGLLLATPAQAHLKKPSQLSSF---SWDNCFEGKDPVIRSL----- 51
Db      245  SQQQISCLLANAFCTFPRRNTLKRKSEYSTFPDINFNPLYQSTGPAVLEKLCIMHYFR 304

Qy      52  ---TLEPDPVVPGNVTLVVGSG-----TSVPLSS-PLKVDL--VLEKEVAGLW 94
Db      305  RVCPTERDASNVTGVVTFVRRSGLPEHLIDWSQSAAPLGDVPLHVDAGTIEDEGIGLL 364

Qy      95  IKIPCTDYIGSCTFEHFC--DVLDMLIPTGEPCEPL-RTYGLPCHCPKPEGTYSLPKSE 151
Db      365  QVDFANKYLGCGVLGHGCVQEEIRFVI-----CPELLVVKLFTECLRPF-EALVMLGAER 418

Qy      152  FAVPDLELPswLTtGNYRIESVLSSSGKR 180
Db      419  YSNYTGAGSFEWSGNFEDSTPRDSSGRR 447
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RESULT 10
US-09-860-793-3
; Sequence 3, Application US/09860793
; Patent No. 6559121
; GENERAL INFORMATION:
; APPLICANT: Pruett, John H
; APPLICANT: Temeyer, Kevin B
; APPLICANT: Kunz, Sidney E
; APPLICANT: Fisher, William F
; TITLE OF INVENTION: Vaccines for the Protection of Cattle from Psoroptic
; TITLE OF INVENTION: Scabies
; FILE REFERENCE: Docket 0047.96 - John H. Pruett et al.
; CURRENT APPLICATION NUMBER: US/09/860,793
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/366,603
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Psoroptes ovis
US-09-860-793-3
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Query Match      8.4%; Score 86; DB 2; Length 143;
Best Local Similarity 22.8%; Pred. No. 0.056;
Matches 43; Conservative 32; Mismatches 56; Indels 58; Gaps 10;

Qy      10  LIALGLLLATPAQAHLKKPSQLSSFSDWNCFEGKDPVIRSLTLE---PDPVVPGNVTL 66
Db      5  LVVLAITLAWVSAGVK-----FQDCGKGE----VESLEVEGSGDYCVIHKGKKL 51

Qy      67  SV-VGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDLMDLIPTGEP 125
Db      52  DLAISVTSNQDSANLKLDIV--ADINGVQIEVPGVDHGD----- 88

Qy      126  PEPLRTYGLPCH---CPKPEGTYSLPKSEFAVPDLELPswLTtGNYRIESVLSSSGKRLG 182
Db      89  -----CHYVKCPIKKGQHFVDVKTYSIPAI-LP---TTKAKIIAKIIGDKGLG-G 133

Qy      183  CIKIAASLK 191
Db      134  CIVINGEIQ 142
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RESULT 11
5256770-7
; Patent No. 5256770
; APPLICANT: GLASER, CHARLES B.;MORSER, MICHAEL J.;LIGHT,
; DAVID R.
; TITLE OF INVENTION: OXIDATION RESISTANT THROMBOMODULIN ANALOGS
; NUMBER OF SEQUENCES: 48
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/506,325
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; FILING DATE: 09-APR-1990  
; SEQ ID NO:7:  
; LENGTH: 572  
5256770-7

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Best Local Similarity 23.6%; Pred. No. 0.95;  
Matches 49; Conservative 23; Mismatches 74; Indels 62; Gaps 12;  
QY 8 PLLIALGULLAT-----PAQAHKKPSQLSSFSWDCNCFEGKDPVAVIRSLTLEPDPV 59  
Db 134 PLCVAVSAAEATVPSEPIWEEQCEVKADGFLCEFH-----PATCRPLAVEPGAAA 185  
QY 60 VPGNVTLV-----VGSTSVPLSPLKVDLV-----EKEVAGLWIKI 97  
Db 186 AAVSITYGTTPFAARGADFOALPVGSSAA--VAPLGLQLMCTAGNVQGHWAREAPGAW--- 240  
QY 98 PCTDYIGSCTFEHFCVDLMLIPTGEPCEP-----LRTYGLPCHCPFKEGTYSLPKSEFA 153  
Db 241 DCSVENGGC--EHACNA----IPGAPRCQCPAGAALQADGRSCTASATQSCNDLCE-HFC 293  
QY 154 VPDLELPWLTTGNYRIESVLSSSGKRL 181  
Db 294 VNPDPQP-----GSY---SCMCETGYRL 313

RESULT 12  
US-08-307-444A-5  
; Sequence 5, Application US/08307444A  
; Patent No. 5516659  
; GENERAL INFORMATION:  
; APPLICANT: NII, ATSUSHI  
; APPLICANT: MORISHITA, HIDEAKI  
; APPLICANT: UEMURA, AKIO  
; APPLICANT: MOCHIDA, EI  
; TITLE OF INVENTION: ANTICOAGULANT POLYPEPTIDES  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OLIFF & BERRIDGE  
; STREET: P.O. BOX 19928  
; CITY: ALEXANDRIA  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22320  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/307,444A  
; FILING DATE: 19-SEP-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/835,436  
; FILING DATE: 26-FEB-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OLIFF, JAMES A.  
; REGISTRATION NUMBER: 27,075  
; REFERENCE/DOCKET NUMBER: JAO 27706  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 836-6400  
; TELEFAX: (703) 836-2787  
; TELEX: 90-1799 PTO ALEX  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO

US-08-307-444A-5  
Query Match 8.1%; Score 82; DB 1; Length 446;  
Best Local Similarity 23.3%; Pred. No. 0.87;  
Matches 49; Conservative 23; Mismatches 74; Indels 64; Gaps 12;  
QY 8 PLLIALGULLAT-----PAQAHKKPSQLSSFSWDCNCFEGKDPVAVIRSLTLEPDPV 59  
Db 117 PLCVAVSAAEATVPSEPIWEEQCEVKADGFLCEFH-----PATCRPLAVEPGAAA 168  
QY 60 VPGNVTLV-----VGSTSVPLSPLKVDLV-----EKEVAGLWIKI 95  
Db 169 AAVSITYGTTPFAARGADFOALPVGSSAA--VAPLGLQLMCTAGNVQGHWAREAPGAW--- 225  
QY 96 KIPCTDYIGSCTFEHFCVDLMLIPTGEPCEP-----LRTYGLPCHCPFKEGTYSLPKSE 151  
Db 226 --DCSVENGGC--EHACNA----IPGAPRCQCPAGAALQADGRSCTASATQSCNDLCE-H 276  
QY 152 FAVPDLELPWLTTGNYRIESVLSSSGKRL 181  
Db 277 FVNPDPQP-----GSY---SCMCETGYRL 298

RESULT 13  
US-08-587-389-5  
; Sequence 5, Application US/08587389  
; Patent No. 5695964  
; GENERAL INFORMATION:  
; APPLICANT: NII, ATSUSHI  
; APPLICANT: MORISHITA, HIDEAKI  
; APPLICANT: UEMURA, AKIO  
; APPLICANT: MOCHIDA, EI  
; TITLE OF INVENTION: TRUNCATED THROMBOMODULIN, RECOMBINANT  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OLIFF & BERRIDGE  
; STREET: P.O. BOX 19928  
; CITY: ALEXANDRIA  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22320  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/587,389  
; FILING DATE: 17-JAN-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/307,444  
; FILING DATE: 19-SEP-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OLIFF, JAMES A.  
; REGISTRATION NUMBER: 27,075  
; REFERENCE/DOCKET NUMBER: JAO 27706  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 836-6400  
; TELEFAX: (703) 836-2787  
; TELEX: 90-1799 PTO ALEX  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-587-389-5



Db 117 PLCVAVSAAEATVPSEPIWEEQQCEVKADGFLCEHF-----PATCRPLAVEPGAA 168

QY 60 VPGNVTLSV-----VGSTSVPLSSPLKVDLVL-----EKEVAGLWI 95

Db 169 AAVSITYGTPFAARGADFQALPVGSSAA--VAPLGLQLMCTAPPGAVQGHWAREAPGAW- 225

QY 96 KIPCTDYIGSCTFEHFCDVLDMLIPTGEPCEP----LRTYGLPCHCPFEKGTYSLPKSE 151

Db 226 --DCSVENGGC--EHACNA----IFGAPRCQCPAGAALQADGRSCTASATQSCNDLCE-H 276

QY 152 FAVPDLELPSWLTTCNRYRIESVLSSSGKRL 181

Db 277 FCVNPDPQP-----GSY---SCMCETGYRL 298

Search completed: February 15, 2006, 09:09:04  
Job time : 74.7689 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 13:16:13 ; Search time 1570.59 Seconds  
(without alignments)  
1016.172 Million cell updates/sec

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Perfect score: 1018  
Sequence: 1 MQLMQAPLLIALGLLTP.....LSSGKRLGCIKIAASLKGI 193

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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-Q=/abss/ABSSWEB\_spool/US10030937/runat\_15022006\_055706\_6112/app\_query.fasta\_1  
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-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR\_SCORE=pct -THR\_MAX=100  
-THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0  
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-WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :				Published Applications_NA_Main:*			
Result No.	Score	Match	Length	DB ID	Description		
1	1005	98.7	2436	3	US-09-954-531-380	Sequence 380, App	
2	1005	98.7	2436	3	US-09-525-978B-81	Sequence 81, Appl	
3	1005	98.7	2436	9	US-10-843-641A-1447	Sequence 1447, Ap	
4	1005	98.7	2478	6	US-10-170-385-390	Sequence 390, App	
5	1005	98.7	2498	9	US-10-450-763-16917	Sequence 16917, A	
6	1000	98.2	953	8	US-10-723-860-528	Sequence 528, App	
7	1000	98.2	1935	3	US-09-971-392-102	Sequence 102, App	

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

* Result No.				Query Match Length DB ID				Description	
1	1005	98.7	2436	3	US-09-954-531-380	Sequence 380, App			
2	1005	98.7	2436	3	US-09-525-978B-81	Sequence 81, Appl			
3	1005	98.7	2436	9	US-10-843-641A-1447	Sequence 1447, Ap			
4	1005	98.7	2478	6	US-10-170-385-390	Sequence 390, App			
5	1005	98.7	2498	9	US-10-450-763-16917	Sequence 16917, A			
6	1000	98.2	953	8	US-10-723-860-528	Sequence 528, App			
7	1000	98.2	1935	3	US-09-971-392-102	Sequence 102, App			

ALIGNMENTS

RESULT 1

US-09-954-531-380  
; Sequence 380, Application US/09954531  
; Patent No. US20020165180A1  
; GENERAL INFORMATION:  
; APPLICANT: Weaver, Zoe  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can  
; TITLE OF INVENTION: Gene Sets  
; FILE REFERENCE: 689290-77  
; CURRENT APPLICATION NUMBER: US/09/954,531  
; CURRENT FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: US/60/233,133  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,009  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,034  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,509  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US/60/234,567  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 1392  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 380  
; LENGTH: 2436  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-531-380

Alignment Scores: 8.71e-117 Length: 2436  
Pred. No.: 2436

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Sequence 711, App  
Sequence 5187, Ap  
Sequence 167, App  
Sequence 708, App  
Sequence 436, App  
Sequence 7219, Ap  
Sequence 7218, Ap  
Sequence 1518, Ap  
Sequence 4215, Ap  
Sequence 207798,  
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Sequence 18277, A  
Sequence 26, Appl  
Sequence 164063,  
Sequence 164064,  
Sequence 164065,  
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Sequence 710, App  
Sequence 2290, Ap  
Sequence 20108, A  
Sequence 277778,  
Sequence 277778,  
Sequence 178335,  
Sequence 112475,  
Sequence 7, Appli  
Sequence 7, Appli  
Sequence 7, Appli  
Sequence 7, Appli  
Sequence 1, Appli

Score: 1005.00 Matches: 191  
Percent Similarity: 99.0% Conservative: 0  
Best Local Similarity: 99.0% Mismatches: 2  
Query Match: 98.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-954-531-380 (1-2436)

QY 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20  
Db 59 ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGCGACCCCT 118  
QY 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40  
Db 119 GCGCAAGCCACCTGAAAAGCCATCCAGCTCAGTAGCTTTCTCTGGGATAACTGTGAT 178  
QY 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60  
Db 179 GAAGGAAGGACCCCTGCGGTGATCAGAAGCTGACTCTGGAGCCTGACCCCATCGTCGTT 238  
QY 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80  
Db 239 CCTGGAAATGTACCCCTCAGTGTCTGGGAGCACCAGTGTCCCTGAGTTCCTCTG 298  
QY 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100  
Db 299 AAGTGGATTAGTTTTGGAGAAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACA 358  
QY 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120  
Db 359 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 418  
QY 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140  
Db 419 ACTGGGAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTCCCTTC 478  
QY 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160  
Db 479 AAAGAAGGAACCTACTCCTGCCCAAGAGCGAATTGTTGTGCTGACCTGGAGCTGCCC 538  
QY 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180  
Db 539 AGTTGGCTCACCAACCGGAACTACCGCATAGAGAGCGTCTTGAGCAGCAGTGGGAAGCGT 598  
QY 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193  
Db 599 CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 637

RESULT 2  
US-09-525-978B-81  
; Sequence 81, Application US/09525978B  
; Publication No. US20030049722A1  
; GENERAL INFORMATION:  
; APPLICANT: Murray, Richard  
; APPLICANT: Caras, Ingrid W.  
; APPLICANT: Hevezi, Peter  
; APPLICANT: Wilson, Keith  
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT  
; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF  
; TITLE OF INVENTION: SCREENING FOR MACROPHAGE DEVELOPMENT MODULATORS  
; FILE REFERENCE: A-67413-1/DJB/JUD  
; CURRENT APPLICATION NUMBER: US/09/525, 978B  
; CURRENT FILING DATE: 2000-03-15  
; PRIOR APPLICATION NUMBER: USSN 60/124,530  
; PRIOR FILING DATE: 1999-03-15  
; NUMBER OF SEQ ID NOS: 83  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 81  
; LENGTH: 2436  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-525-978B-81

Alignment Scores:  
Pred. No.: 8.71e-117 Length: 2436  
Score: 1005.00 Matches: 191  
Percent Similarity: 99.0% Conservative: 0  
Best Local Similarity: 99.0% Mismatches: 2  
Query Match: 98.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-525-978B-81 (1-2436)

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Db 59 ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGCGACCCCT 118  
QY 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40  
Db 119 GCGCAAGCCACCTGAAAAGCCATCCAGCTCAGTAGCTTTCTCTGGGATAACTGTGAT 178  
QY 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60  
Db 179 GAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGTT 238  
QY 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80  
Db 239 CCTGGAAATGTACCCCTCAGTGTCTGGGAGCACCAGTGTCCCTGAGTTCCTCTG 298  
QY 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100  
Db 299 AAGTGGATTAGTTTTGGAGAAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACA 358  
QY 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120  
Db 359 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 418  
QY 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140  
Db 419 ACTGGGAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTCCCTTC 478  
QY 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160  
Db 479 AAAGAAGGAACCTACTCCTGCCCAAGAGCGAATTGTTGTGCTGACCTGGAGCTGCCC 538  
QY 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180  
Db 539 AGTTGGCTCACCAACCGGAACTACCGCATAGAGAGCGTCTTGAGCAGCAGTGGGAAGCGT 598  
QY 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193  
Db 599 CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 637

RESULT 3  
US-10-843-641A-1447  
; Sequence 1447, Application US/10843641A  
; Publication No. US20050064454A1  
; GENERAL INFORMATION:  
; APPLICANT: Avalon Pharmaceuticals, Inc.  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using  
; TITLE OF INVENTION: Signature Gene Sets  
; FILE REFERENCE: 689290-189  
; CURRENT APPLICATION NUMBER: US/10/843,641A  
; CURRENT FILING DATE: 2004-05-12  
; PRIOR APPLICATION NUMBER: US/09/873,367  
; PRIOR FILING DATE: 2001-06-05  
; PRIOR APPLICATION NUMBER: US/09/954,531  
; PRIOR FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: US/09/954,456  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/09/962,436  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/09/962,832  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/09/964,824  
; PRIOR FILING DATE: 2001-09-27

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; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447

Alignment Scores:
Pred. No.:      8.71e-117      Length:      2436
Score:          1005.00      Matches:      191
Percent Similarity: 99.0%      Conservative: 0
Best Local Similarity: 99.0%      Mismatches: 2
Query Match:    98.7%      Indels:      0
DB:             9          Gaps:      0

US-10-030-937-9 (1-193) x US-10-843-641A-1447 (1-2436)

QY      1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
      |||
Db      59 ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGGACCCCT 118

QY      21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
      |||
Db      119 GCGCAAGCCCACTGAAAGCCATCCAGCTCAGTAGCTTTTCTGGGATAACTGTGAT 178

QY      41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
      |||
Db      179 GAAGGGAAGGACCCCTGCGGTGATCAGAAGCCCTGACTCTGGAGCCTGACCCCATCGTCGT 238

QY      61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
      |||
Db      239 CCTGGAAATGTACCCCTCAGTGTCTGGGAGCAGCACAGTGTCCCTGAGTTCTCTCTGTG 298

QY      81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
      |||
Db      299 AAGGTGGATTATTAGTTTGGAGAAGGAGGTGGCTGGCTCTGGATCAAGATCCCATGCACA 358

QY      101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
      |||
Db      359 GACTACATTGGCAGCTGTACCTTTGAACACCTTCTGTGATGTGCTTGACATGTTAATTCCT 418

QY      121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProphe 140
      |||
Db      419 ACTGGGAGCCCTGCCAGAGCCCTGCCGTACCTATGGGCTTCCTTGCCACTGTCCCTTC 478

QY      141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
      |||
Db      479 AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTCTGTGTGCTGACCTGGAGTGCCCC 538

QY      161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
      |||
Db      539 AGTGGCTCACCACCGGAACCTACCGCATAGAGCGTCTCTGAGCAGCAGTGGGAAGCGT 598

QY      181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
      |||
Db      599 CTGGGCTGCATCAAGATCGCTGCCCTCTCTAAAGGSCATA 637

RESULT 4
US-10-170-385-390
; Sequence 390, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
```

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; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 390
; LENGTH: 2478
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-170-385-390

Alignment Scores:
Pred. No.:      8.92e-117      Length:      2478
Score:          1005.00      Matches:      191
Percent Similarity: 99.0%      Conservative: 0
Best Local Similarity: 99.0%      Mismatches: 2
Query Match:    98.7%      Indels:      0
DB:             6          Gaps:      0

US-10-030-937-9 (1-193) x US-10-170-385-390 (1-2478)

QY      1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
      |||
Db      96 ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGGACCCCT 155

QY      21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
      |||
Db      156 GCGCAAGCCCACTGAAAGCCATCCAGCTCAGTAGCTTTTCTGGGATAACTGTGAT 215

QY      41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
      |||
Db      216 GAAGGGAAGGACCCCTGCGGTGATCAGAAGCCCTGACTCTGGAGCCTGACCCCATCGTCGT 275

QY      61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
      |||
Db      276 CCTGGAAATGTACCCCTCAGTGTCTGGGAGCAGCACAGTGTCCCTGAGTTCTCTCTCTG 335

QY      81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
      |||
Db      336 AAGGTGGATTATTAGTTTGGAGAAGGAGGTGGCTGGCTCTGGATCAAGATCCCATGCACA 395

QY      101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
      |||
Db      396 GACTACATTGGCAGCTGTACCTTTGAACACCTTCTGTGATGTGCTTGACATGTTAATTCCT 455

QY      121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProphe 140
      |||
Db      456 ACTGGGAGCCCTGCCAGAGCCCTGCCGTACCTATGGGCTTCCTTGCCACTGTCCCTTC 515

QY      141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
      |||
Db      516 AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTCTGTGTGCTGACCTGGAGTGCCCC 575

QY      161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg 180
      |||
Db      576 AGTTGGCTCACCACCGGAACCTACCGCATAGAGCGTCTCTGAGCAGCAGTGGGAAGCGT 635

QY      181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
      |||
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Db 636 CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 674

RESULT 5

US-10-450-763-16917/c

; Sequence 16917, Application US/10450763

; Publication No. US20050196754A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 790CIP3/US

; CURRENT APPLICATION NUMBER: US/10/450,763

; CURRENT FILING DATE: 2003-06-11

; PRIOR APPLICATION NUMBER: PCT/US01/08631

; PRIOR FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 09/540,217

; PRIOR FILING DATE: 2000-03-31

; PRIOR APPLICATION NUMBER: 09/649,167

; PRIOR FILING DATE: 2000-08-23

; NUMBER OF SEQ ID NOS: 60736

; SOFTWARE: Custom

; SEQ ID NO 16917

; LENGTH: 2498

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SIMILAR

; LOCATION: (2628)..(2714)

; OTHER INFORMATION: 74% homologous to Homo sapiens Human secreted protein, SEQ ID

; OTHER INFORMATION: NO: 6532,accession number G02451,Smith-Waterman Score=98.

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(2498)

; OTHER INFORMATION: n = a,t,c or g

US-10-450-763-16917

Alignment Scores:

Pred. No.:	9.03e-117	Length:	2498
Score:	1005.00	Matches:	191
Percent Similarity:	99.0%	Conservative:	0
Best Local Similarity:	99.0%	Mismatches:	2
Query Match:	98.7%	Indels:	0
DB:	9	Gaps:	0

US-10-030-937-9 (1-193) x US-10-450-763-16917 (1-2498)

Qy	1	MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro	20
Db	2440	ATGCAGTCCCTGATGCAGGCTCCCTCCTGATGCCCTGGGCTTGCTTCTCGCGACCCCT	2381
Qy	21	AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe	40
Db	2380	GCGCAAGCCACCTGAAAAGCCATCCCAGCTCAGTAGCTTTCTCTGGGATAACTGTGAT	2321
Qy	41	GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal	60
Db	2320	GAAGGGAAGGACCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGTT	2261
Qy	61	ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu	80
Db	2260	CCTGGAATGTGACCTCAGTGTCTGTGGGAGCACCAGTGTCCTCCCTGAGTTCCTCTG	2201
Qy	81	LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr	100
Db	2200	AAGGTGGATTAGTTTTGGAGAAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACA	2141
Qy	101	AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro	120
Db	2140	GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATCCT	2081
Qy	121	ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe	140
Db	2080	ACTGGGGAGCCCTGCCCAGAGCCCTGCGTACCTATGGGCTTCCTTGGCACTGTCCCTTC	2021

Qy	141	LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro	160
Db	2020	AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTTCGTTGTGCTGACCTGGAGCTGCCC	1961
Qy	161	SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg	180
Db	1960	AGTTGGCTCACCAACCGGAACCTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAGCGT	1901
Qy	181	LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle	193
Db	1900	CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA	1862

RESULT 6

US-10-723-860-528

; Sequence 528, Application US/10723860

; Publication No. US20040253606A1

; GENERAL INFORMATION:

; APPLICANT: Aziz, Natasha

; APPLICANT: Ginsburg, Wendy M.

; APPLICANT: Zlotnik, Albert

; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &

; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

; FILE REFERENCE: 05882.0193.NPUS01

; CURRENT APPLICATION NUMBER: US/10/723,860

; CURRENT FILING DATE: 2003-11-26

; PRIOR APPLICATION NUMBER: 60/429,739

; PRIOR FILING DATE: 2002-11-26

; NUMBER OF SEQ ID NOS: 8393

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 528

; LENGTH: 953

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-723-860-528

Alignment Scores:

Pred. No.:	9.82e-117	Length:	953
Score:	1000.00	Matches:	190
Percent Similarity:	98.4%	Conservative:	0
Best Local Similarity:	98.4%	Mismatches:	3
Query Match:	98.2%	Indels:	0
DB:	8	Gaps:	0

US-10-030-937-9 (1-193) x US-10-723-860-528 (1-953)

Qy	1	MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro	20
Db	91	ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCTCGGGCCCT	150
Qy	21	AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe	40
Db	151	GCGCAAGCCACCTGAAAAGCCATCCCAGCTCAGTAGCTTTCTCTGGGATAACTGTGAT	210
Qy	41	GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal	60
Db	211	GAAGGGAAGGACCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGTT	270
Qy	61	ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu	80
Db	271	CCTGGAATGTGACCTCAGTGTCTGTGGGAGCACCAGTGTCCTCCCTGAGTTCCTCTG	330
Qy	81	LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr	100
Db	331	AAGGTGGATTAGTTTTGGAGAAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACA	390
Qy	101	AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro	120
Db	391	GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATCCT	450
Qy	121	ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe	140
Db	451	ACTGGGGAGCCCTGCCCAGAGCCCTGCGTACCTATGGGCTTCCTTGGCACTGTCCCTTC	510

Qy		141	LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro	160
Dd		511	AAGAAGGAACCTACTCACTGCCAAGAGCGAATTCGTGTGCCTGACCTGGAGCTGCC	570
Qy		161	SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg	180
Dd		571	AGTTGGCTCACCCACCGGAACTACCGCATAGAGAGCGTCCTGAGCAGCAGTGGAAGCGT	630
Qy		181	LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle	193
Dd		631	CTGGGCTGCATCAAGATCGTGCCTCTCTAAAGGGCATA	669

Db	462	ACTGGGAGCCCTGCCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTGCCCTTC	521
QY	141	LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro	160
Db	522	AAAGAAAGGAACCTACTCACTGCCAAGAGCGGAATCGTTGTGCCTGCACCTGGAGCTGCC	581
QY	161	SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg	180
Db	582	AGTTGGCTCACACACCGGAACCTACCGCATAGAGAGCGTCCTGAGCAGCAGTGGGAAGCGT	641
QY	181	LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle	193
Db	642	CTGGGCTGCATCAAGATCGTGGCTCTCTAAAGGGCATA	680



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Db 313 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 372
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db 373 ACTGGGAGCCCTGCCCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTCCTTC 432
Qy 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db 433 AAAGAAGGAACCTACTACTGCCCCAAGAGCGAATTGTTGTGCCTGACCTGGAGCTGCC 492
Qy 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerGlyLysArg 180
Db 493 AGTTGGCTCACCACCGGGAACCTACCGCATAGAGAGCGTCTGAGCAGCAGTGGGAAGCGT 552
Qy 181 LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 553 CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGGCATA 591
RESULT 9
US-10-450-763-711
; Sequence 711, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 711
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (93)..(671)
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator
; OTHER INFORMATION: protein, accession number M76477, Smith-Waterman Score=1017.
US-10-450-763-711
Alignment Scores:
Pred. No.: 3.85e-116 Length: 2471
Score: 1000.00 Matches: 190
Percent Similarity: 98.4% Conservative: 0
Best Local Similarity: 98.4% Mismatches: 3
Query Match: 98.2% Indels: 0
DB: 9 Gaps: 0
US-10-030-937-9 (1-193) x US-10-450-763-711 (1-2471)
Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db 93 ATGCAGTCCCTGATGCAGGCTCCCTCCCTGATCGCCCTGGGCTTGCTTCGCGGCCCT 152
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 153 GCGCAAGCCACCTGAAAAAGCCATCCAGCTCAGTAGCTTTCTCTGGGATAAAGTGTGAT 212
Qy 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db 213 GAAAGGAAGGACCCCTGCGGTGATCAGAAAGCCTGACTCTGGAGCCTGACCCCATCGTCGT 272
Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db 273 CCTGGAAATGTGACCCCTCAGTGTCTGTGGGAGCACCAGTGTCCCCCTGAGTTCTCCTCTG 332
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Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db 333 AAGGTGGATTAGTTTGGAGAAAGGAGGTGGCTGGCTCAAGATCCCATGCACA 392
Qy 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db 393 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 452
Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db 453 ACTGGGAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTCCCTTC 512
Qy 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 160
Db 513 AAAGAAGGAACCTACTACTGCCCAAGAGCGAATTGTTGTGCCTGACCTGGAGCTGCC 572
Qy 161 SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerGlyLysArg 180
Db 573 AGTTGGCTCACCACCGGGAACCTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAAGCGT 632
RESULT 10
US-10-723-860-5187
; Sequence 5187, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5187
; LENGTH: 3988
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2864)..(2894)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3472)..(3486)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5187
Alignment Scores:
Pred. No.: 7.66e-116 Length: 3988
Score: 1000.00 Matches: 190
Percent Similarity: 98.4% Conservative: 0
Best Local Similarity: 98.4% Mismatches: 3
Query Match: 98.2% Indels: 0
DB: 8 Gaps: 0
US-10-030-937-9 (1-193) x US-10-723-860-5187 (1-3988)
Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db 96 ATGCAGTCCCTGATGCAGGCTCCCTCCCTGATCGCCCTGGGCTTGCTTCGCGGCCCT 155
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 156 GCGCAAGCCACCTGAAAAAGCCATCCAGCTCAGTAGCTTTCTCTGGGATAAAGTGTGAT 215
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QY 43 LysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValValProGly 62  
Db 2 AAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTGGTTCCTGGA 61  
QY 63 AsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysVal 82  
Db 62 AATGTGACCCCTCAGTGTGCTGGGCAGCACCAAGTGTCCCCCTGAGTTCTCTCTGAAGGTG 121  
QY 83 AspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr 102  
Db 122 GATTAGTTTGGAGAAGGAGGTGGCTGGCTCTGGATCGCTTGACATGTTAATTCCTACTGGG 181  
QY 103 IleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThrGly 122  
Db 182 ATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCTACTGGG 241  
QY 123 GluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysPropheLysGlu 142  
Db 242 GAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTCCCTTCAAAGAA 301

RESULT 13

US-10-264-049-436  
; Sequence 436, Application US/10264049  
; Publication No. US20040005579A1  
; GENERAL INFORMATION:  
; APPLICANT: Birse et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PA133P1  
; CURRENT APPLICATION NUMBER: US/10/264,049  
; CURRENT FILING DATE: 2002-10-04  
; PRIOR APPLICATION NUMBER: PCT/US01/18569  
; PRIOR FILING DATE: 2001-06-07  
; PRIOR APPLICATION NUMBER: US 60/209,467  
; PRIOR FILING DATE: 2000-06-07  
; NUMBER OF SEQ ID NOS: 4360  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 436  
; LENGTH: 577  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (536)..(536)  
; OTHER INFORMATION: n equals a,t,g, or c  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (552)..(552)  
; OTHER INFORMATION: n equals a,t,g, or c  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (561)..(561)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-10-264-049-436

Alignment Scores:  
Pred. No.: 1.16e-43 Length: 577  
Score: 424.00 Matches: 96  
Percent Similarity: 67.6% Conservative: 25  
Best Local Similarity: 53.6% Mismatches: 48  
Query Match: 41.7% Indels: 14  
DB: 6 Gaps: 3

US-10-030-937-9 (1-193) x US-10-264-049-436 (1-577)

QY 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAla----- 18  
Db 37 ATGATGCTGAAGATGCAGGCTCCTCTTCTGATGGC-CCTTGGGCTGCTTCTCGCCGGCCCT 95  
QY 19 -----ThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSer 33  
Db 96 GCGGCCACGCACACGTCCCGGCCACGCCCGGTGAACCCGCCACCCCAAGTAATTAGC 155  
QY 34 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeu 53

Db 156 TTTTCTGGGAGAACTGCCATGAAAGGAGGACCCTGTGCTGCTCAAAAGCATGACTCTG 215  
QY 54 GluProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSer 73  
Db 216 GAACCTGACCCCATTCCTATCCTGGGAATGTGACTATCAGCGCCGAGTCCAGGTCCGT 275  
QY 74 ValProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeu 93  
Db 276 GTCCCCCTCAGCAGTCTCAGAAGGTGGAATTAATTATAGAGAAGAAAGTGGCCAAATTC 335  
QY 94 TrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAsp 113  
Db 336 TGGATCAAGTTCCATGTATGAGCCATGTT--CGTTGCATCTTTGAAGACATYTGCCAA 392  
QY 114 ValLeuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrGly 133  
Db 393 ATATTAGACTTTTAAATCCCCCTGGACAGSCCTGSCCAGAGCCCCTGCATACCTATGGG 452  
QY 134 LeuProCysHisCysPropheLysGluGlyThrTyrSerLeuProLys---SerGluPhe 152  
Db 453 CTTCCCTGCAC-TGTSCCCTCAAGCA-GGCACCTACTCAATGCCCCAAAGACTCAAGTTAC 510  
QY 153 AlaValProAspLeuGluLeuProSerTrpLeuThrThr-GlyAsnTyrArgIle 170  
Db 511 CC-TGCCCAAACACGAGCCTGCCCGNTTGATCATCCTCGGGNTCCTACCGNATT 564

RESULT 14

US-10-972-079-7219  
; Sequence 7219, Application US/10972079  
; Publication No. US20050153317A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: ROSENFELD, David  
; APPLICANT: KERR, Richard  
; APPLICANT: BATES, Stephen  
; APPLICANT: HOLM, Tom  
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF  
; FILE REFERENCE: MM1110-2  
; CURRENT APPLICATION NUMBER: US/10/972,079  
; CURRENT FILING DATE: 2004-10-22  
; PRIOR APPLICATION NUMBER: US 60/514,333  
; PRIOR FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 96631  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7219  
; LENGTH: 596  
; TYPE: DNA  
; ORGANISM: Chicken 19866894191999\_2  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(32)  
; OTHER INFORMATION: n is any nucleotide  
US-10-972-079-7219

Alignment Scores:  
Pred. No.: 1.91e-36 Length: 596  
Score: 367.50 Matches: 70  
Percent Similarity: 62.8% Conservative: 23  
Best Local Similarity: 47.3% Mismatches: 30  
Query Match: 36.1% Indels: 26  
DB: 9 Gaps: 2

US-10-030-937-9 (1-193) x US-10-972-079-7219 (1-596)

QY 69 ValGlySerThrSerValProLeuSerSerPro---LeuLysValAspLeuValLeuGlu 87  
Db 51 GTCGGGAGGGAGGGCTGGGTGCTCAGTGTCTTCTTACAGCGGTGCTGTGGTGGAG 110  
QY 88 LysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThr 107

Db 111 AAGGCTTGGGTGACCTCTGGATCCAGCTGCCCTGCATCGACAGCTGGGAGCTGCACC 170  
Qy 108 PheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGlu 127  
Db 171 TATGATGATGTGTGCAACATCTCGACAACCTCATCCACCCGGACRCCCTGCCCGGAG 230  
Qy 128 ProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThr----- 144  
Db 231 CCGCTGCTCACCTACGGCATCCCTGCCACTGCCCTTCAAGGC-GGTACGTCCCAAC 289  
Qy 144 ----- 144  
Db 290 CGGCTGCCCTYGGTGCTGTGGGTGGTGGTTCAGGCAGCCCTCTCTCTGCAGGGC 349  
Qy 145 ---TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeu 163  
Db 350 TCCTACTCACTGCCCGCAGGAGCTTGCCTCGCCGACGTTCGAGTGCCTCTCTGGATG 409  
Qy 164 ThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArgLeuGlyCys 183  
Db 410 ACCAAGGCAACTACCGTGTGCGAGTGGTGTCTCAGCAACAAGGGGAGGAGCTCGCCTGC 469  
Qy 184 IleLysIleAlaAlaSerLeuLys 191  
Db 470 GTCAAGCTGGGCTTCTCTCTTGCAG 493

RESULT 15  
US-10-972-079-7218  
; Sequence 7218, Application US/10972079  
; Publication No. US20050153317A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: ROSENFELD, David  
; APPLICANT: KERR, Richard  
; APPLICANT: BATES, Stephen  
; APPLICANT: HOLM, Tom  
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER  
; TITLE OF INVENTION: LIVESTOCK  
; FILE REFERENCE: MM1110-2  
; CURRENT APPLICATION NUMBER: US/10/972,079  
; PRIOR FILING DATE: 2004-10-22  
; PRIOR APPLICATION NUMBER: US 60/514,333  
; PRIOR FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 96631  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 7218  
; LENGTH: 599  
; TYPE: DNA  
; ORGANISM: Chicken 1986894191999\_1  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(114)  
; OTHER INFORMATION: n is any nucleotide  
US-10-972-079-7218

Alignment Scores:  
Pred. No.: 1.92e-36 Length: 599  
Score: 367.50 Matches: 70  
Percent Similarity: 62.8% Conservative: 23  
Best Local Similarity: 47.3% Mismatches: 30  
Query Match: 36.1% Indels: 26  
DB: 9 Gaps: 2

US-10-030-937-9 (1-193) x US-10-972-079-7218 (1-599)

Qy 69 ValGlySerThrSerValProLeuSerSerPro---LeuLysValAspLeuValLeuGlu 87  
Db 133 GTCGGAGGGGAGGGCTGGTGTCTCAGTGTCTTCTTACAGGCGGTGTGGTGGAG 192  
Qy 88 LysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThr 107  
Db 193 AAGGCTTGGGTGACCTCTGGATCCAGCTGCCCTGCATCGACAGCTGGGAGCTGCACC 252

Qy 108 PheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGlu 127  
Db 253 TATGATGATGTGTGCAACATCTCGACAACCTCATCCACCCGGACRCCCTGCCCGGAG 312  
Qy 128 ProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThr----- 144  
Db 313 CCGCTGCTCACCTACGGCATCCCTGCCACTGCCCTTCAAGGC-GGTACGTCCCAAC 371  
Qy 144 ----- 144  
Db 372 CGGCTGCCCTYGGTGCTGTGGGTGGTGGTTCAGGCAGCCCTCTCTCTGCAGGGC 431  
Qy 145 ---TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeu 163  
Db 432 TCCTACTCACTGCCCGCAGGAGCTTGCCTCGCCGACGTTCGAGTGCCTCTCTGGATG 491  
Qy 164 ThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArgLeuGlyCys 183  
Db 492 ACCAAGGCAACTACCGTGTGCGAGTGGTGTCTCAGCAACAAGGGGAGGAGCTCGCCTGC 551  
Qy 184 IleLysIleAlaAlaSerLeuLys 191  
Db 552 GTCAAGCTGGGCTTCTCTCTTGCAG 575

Search completed: February 16, 2006, 13:51:47  
Job time : 1578.59 secs

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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 13:19:45 ; Search time 2834.1 Seconds  
(without alignments)  
144.557 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 1018  
Sequence: 1 MQLMQAPLLIALGLLALTP.....LSSSGKRLGCIKIAASLKGI 193

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 7204252 seqs, 1061369211 residues  
Total number of hits satisfying chosen parameters: 14408504

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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-Q=/abs/ABSSWEB spool/US10030937/runat 15022006 055709 6167/app\_query.fasta\_1  
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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blomsum62  
-TRANS=human40.cdi -LIST=45 -DOCLALIGN=200 -THR SCORE=pct -THR MAX=100  
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -HOST=abs06p  
-USER=US10030937 @CGN 1 1 823 @runat 15022006 055709 6167 -NCPU=6 -ICPU=3  
-NO\_MMAP -NEG\_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG -DEV\_TIMEOUT=120  
-WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
-XGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA New:  
1: /cgn2\_6/ptodata/1/pubpna/US08 NEW PUB.seq:\*  
2: /cgn2\_6/ptodata/1/pubpna/US06 NEW PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US07 NEW PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/PCT NEW PUB.seq:\*  
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6: /cgn2\_6/ptodata/1/pubpna/US09 NEW PUB.seq1:\*  
7: /cgn2\_6/ptodata/1/pubpna/US10 NEW PUB.seq:\*  
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10: /cgn2\_6/ptodata/1/pubpna/US11 NEW PUB.seq2:\*  
11: /cgn2\_6/ptodata/1/pubpna/US11 NEW PUB.seq3:\*  
12: /cgn2\_6/ptodata/1/pubpna/US11 NEW PUB.seq4:\*  
13: /cgn2\_6/ptodata/1/pubpna/US60 NEW PUB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1005	98.7	2471	8 US-10-821-234-310	Sequence 310, App
2	93.5	9.2	1910	12 US-11-136-527-1918	Sequence 1918, App
c 3	89	8.7	1294	8 US-10-750-185-28528	Sequence 28528, A
c 4	89	8.7	1294	8 US-10-750-623-28528	Sequence 28528, A

c 5	89	8.7	3497	12 US-11-000-688-1085	Sequence 1085, Ap
c 6	88.5	8.7	2537	6 US-09-925-065A-722827	Sequence 722827,
c 7	88.5	8.7	9858	7 US-10-893-483-185	Sequence 185, App
c 8	88.5	8.7	36259	7 US-10-893-483-186	Sequence 186, App
c 9	86.5	8.5	609	6 US-09-925-065A-141896	Sequence 141896,
10	86.5	8.5	1251	12 US-11-098-686-9363	Sequence 9363, Ap
11	86.5	8.5	3114	8 US-10-750-185-43441	Sequence 43441, A
12	86.5	8.5	3114	8 US-10-750-623-43441	Sequence 43441, A
13	86.5	8.5	13667	12 US-11-128-061-1065	Sequence 1065, Ap
14	86.5	8.5	13667	12 US-11-128-049-1065	Sequence 1065, Ap
c 15	86.5	8.5	1457619	12 US-11-098-686-8739	Sequence 8739, Ap
16	86	8.4	663	6 US-09-925-065A-546047	Sequence 546047,
17	85	8.3	729	6 US-09-925-065A-933573	Sequence 933573,
18	84.5	8.3	8165	12 US-11-166-991-143	Sequence 143, App
19	84	8.3	1525	8 US-10-750-185-41707	Sequence 41707, A
20	84	8.3	1525	8 US-10-750-623-41707	Sequence 41707, A
c 21	84	8.3	3731	8 US-10-750-185-28671	Sequence 28671, A
c 22	84	8.3	3731	8 US-10-750-623-28671	Sequence 28671, A
c 23	83.5	8.2	491	6 US-09-925-065A-562090	Sequence 562090,
24	83.5	8.2	499	6 US-09-925-065A-562089	Sequence 562089,
c 25	83.5	8.2	3510	8 US-10-995-561-281	Sequence 281, App
c 26	83.5	8.2	15510	8 US-10-995-561-13281	Sequence 13281, A
c 27	83.5	8.2	25968	8 US-10-995-561-13248	Sequence 13248, A
c 28	83.5	8.2	28933	8 US-10-995-561-13285	Sequence 13285, A
29	83.5	8.2	153376	12 US-11-121-086-5	Sequence 5, Appli
c 30	83	8.2	557	6 US-09-925-065A-128884	Sequence 128884,
31	83	8.2	663	6 US-09-925-065A-758647	Sequence 758647,
c 32	83	8.2	814	6 US-09-925-065A-78405	Sequence 78405, A
c 33	82.5	8.1	1225	8 US-10-750-185-31912	Sequence 31912, A
c 34	82.5	8.1	1225	8 US-10-750-623-31912	Sequence 31912, A
35	82.5	8.1	1549	6 US-09-925-065A-72837	Sequence 72837, A
36	82.5	8.1	4050	9 US-11-245-147-113	Sequence 113, App
37	82.5	8.1	4371	8 US-10-995-561-29	Sequence 29, Appl
38	82.5	8.1	12968	8 US-10-995-561-13403	Sequence 13403, A
39	82.5	8.1	16371	8 US-10-995-561-13209	Sequence 13209, A
40	82.5	8.1	31973	8 US-10-995-561-13229	Sequence 13229, A
c 41	82.5	8.1	86131	8 US-10-995-561-13298	Sequence 13298, A
c 42	82	8.1	465	6 US-09-925-065A-208188	Sequence 208188,
c 43	82	8.1	488	6 US-09-925-065A-208187	Sequence 208187,
c 44	82	8.1	488	6 US-09-925-065A-208189	Sequence 208189,
c 45	82	8.1	503	6 US-09-925-065A-158057	Sequence 158057,

ALIGNMENTS

RESULT 1  
US-10-821-234-310  
; Sequence 310, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_SEQ\_genes Version 1.0  
; SEQ ID NO 310  
; LENGTH: 2471  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-821-234-310

Alignment Scores:  
Pred. No.: 3.77e-84 Length: 2471  
Score: 1005.00 Matches: 191  
Percent Similarity: 99.0% Conservative: 0  
Best Local Similarity: 99.0% Mismatches: 2

Query Match:	98.7%	Indels:	0
DB:	8	Gaps:	0
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Qy	1	MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro	20
Db	96	ATGCAGTCCCTGATGCAGGCTCCCTCCTGATCGCCCTGGGCTTGCTTCGCGACCCCT	155
Qy	21	AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe	40
Db	156	GCGCAAGCCACCTGAAAAGCCATCCCAGCTCAGTAGCTTTTCTGGGATAACTGTGAT	215
Qy	41	GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal	60
Db	216	GAAGGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGT	275
Qy	61	ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu	80
Db	276	CCTGGAAATGTGACCCTCAGTGTCTGTGGCAGCACCACTGTCCCCCTGAGTTCCTCTG	335
Qy	81	LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr	100
Db	336	AAGGTGGAATTAGTTTTTGGAGAAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACA	395
Qy	101	AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro	120
Db	396	GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCTCT	455
Qy	121	ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe	140
Db	456	ACTGGGAGCCCTGCCCAGAGCCCTGCGTACCTATGGGCTTCCTTGCCACTGTCCTTC	515
Qy	141	LysGluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro	160
Db	516	AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTCTGTTGCTGACCTGACCTGGAGCTGCC	575
Qy	161	SerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg	180
Db	576	AGTTGGCTCACCACCGGAACTACCGCATAGAGCGTCTCTGAGCAGCAGTGGGAAGCGT	635
Qy	181	LeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle	193
Db	636	CTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA	674
RESULT 2			
US-11-136-527-1918			
; Sequence 1918, Application US/11136527			
; Publication No. US20050287570A1			
; GENERAL INFORMATION:			
; APPLICANT: Wyeth			
; APPLICANT: Mounts, William M			
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes			
; FILE REFERENCE: 031896-041000 (AM101086)			
; CURRENT APPLICATION NUMBER: US/11/136,527			
; CURRENT FILING DATE: 2005-05-25			
; PRIOR APPLICATION NUMBER: US 60/574,294			
; PRIOR FILING DATE: 2005-05-26			
; NUMBER OF SEQ ID NOS: 362830			
; SOFTWARE: PatentIn version 3.2			
; SEQ ID NO 1918			
; LENGTH: 1910			
; TYPE: DNA			
; ORGANISM: Rattus norvegicus			
US-11-136-527-1918			
Alignment Scores:			
Pred. No.:	62.9	Length:	1910
Score:	93.50	Matches:	31
Percent Similarity:	41.1%	Conservative:	13
Best Local Similarity:	29.0%	Mismatches:	38
Query Match:	9.2%	Indels:	25
DB:	12	Gaps:	5
US-10-030-937-9 (1-193) x US-10-750-185-28528 (1-1294)			
Qy	6	GlnAlaProLeuLeuIleAlaLeuGlyLeuLeu-----	LeuAla 18
Db	1005	CAGGCTCCTCTG-----TCCATGGGGATTCTCTAGGCAAGAATACTGGAATGGGTGCC	952
Qy	19	ThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsn	38
Db	951	ATTCCCTCCTCCAGGGGATCTTCTTGACCTGCGGATAGAACCTGCATCTCTATCATCTCC	892
Qy	39	CysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle	58
US-10-030-937-9 (1-193) x US-11-136-527-1918 (1-1910)			
Qy	92	GlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPhe	111
Db	129	GGAATCTGGTTCTGATGGCCCTGCCCGAATGCTGCTCCCCATGCACCTTCTCC-----	182
Qy	112	Cys---AspValLeuAspMetLeuIleProThrGlyGluProCysProGluProLeu---	129
Db	183	TGCCCCGTTCATGGCCGCTGTGCCTGCCACCACTTGTGCTCTGCCCGTGCCTCCCTGCCA	242
Qy	130	-----ArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyr	145
Db	243	ACCTCAGTCACCAGGACTATGGCTGGAAGCCCATCTACCCCGGAGACTGACGGCAGCT	302
Qy	146	SerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThr	165
Db	303	TTAGCTCCTGCCTCCGATTGCTATCCCGAGACTG-----	338
Qy	166	GlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysArg-----	LeuGly 182
Db	339	-----TCCCCAATGTCACTTTGGGGACAGAGGTGTCCAACCTCTGGGG	380
Qy	183	CysIleLysIleAlaAlaSer	189
Db	381	AGCCTGAGGGTGAGCCCTCA	401
RESULT 3			
US-10-750-185-28528/c			
; Sequence 28528, Application US/10750185			
; Publication No. US20050260603A1			
; GENERAL INFORMATION:			
; APPLICANT: MMI GENOMICS, INC.			
; APPLICANT: DENISE, Sue K.			
; APPLICANT: KERR, Richard			
; APPLICANT: ROSENFELD, David			
; APPLICANT: HOLM, Tom			
; APPLICANT: BATES, Stephen			
; APPLICANT: FANTIN, Dennis			
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS			
; FILE REFERENCE: MM1100-2			
; CURRENT APPLICATION NUMBER: US/10/750,185			
; CURRENT FILING DATE: 2003-12-31			
; PRIOR APPLICATION NUMBER: US 60/437,482			
; PRIOR FILING DATE: 2002-12-31			
; NUMBER OF SEQ ID NOS: 64922			
; SOFTWARE: PatentIn version 3.1			
; SEQ ID NO 28528			
; LENGTH: 1294			
; TYPE: DNA			
; ORGANISM: Bovine			
US-10-750-185-28528			
Alignment Scores:			
Pred. No.:	107	Length:	1294
Score:	89.00	Matches:	50
Percent Similarity:	39.4%	Conservative:	30
Best Local Similarity:	24.6%	Mismatches:	59
Query Match:	8.7%	Indels:	64
DB:	8	Gaps:	12



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Qy 59 ValValProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSer 78  
Db 840 -----TCTACAAAAGTG---CTTAAGAGT 820  
Qy 79 ProLeuLysValAspLeuValLeuGluLysGluValAla-GlyLeuTrpIleLys----- 96  
Db 819 CCT-----GTCAATAAAGGTCCTAATGAGGAGTCATTGTAAGCCCTG 775  
Qy 97 -IleProCys---ThrAspTyrIleGlySerCysThrPheGluHisPhe----- 111  
Db 774 AATGCCTGCCACACCCATTCTTTGGCTCATGCTGTCCATAGGTTTCTTTGTTCAG 715  
Qy 112 -----CysAspValLeuAspMetLeuIleProThrGlyGluPr 124  
Db 714 ACATTCAGAACGAATGTGAATTGTCATGATTGAATCATTTTCTAAGACTCGGAAAG-- 657  
Qy 124 oCysProGluProLeu-----ArgThrTyr-G 133  
Db 656 -TGTCCTAGAGAAACGGGGAGCCAACTGTCTACAGTTTCATTGGTCTGGAGAACATATTG 598  
Qy 133 lLeuProCysHisCysPropheLysGluGlyThrTyrSerLeuPro-----L 149  
Db 597 GG-----TGTCACCTGCTTTTCCCTCCTCTGTCTCCACTTGTTCATTCTTAGGTATCA 544  
Qy 149 ySerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrA 169  
Db 543 AGACAGAGTACAGCCAGTAAATGTAGATGTTTGTTCAAAGTCTCAGTGTCTCACAGTACC 484  
Qy 169 rgile 170  
Db 483 GCTTG 479

RESULT 4

US-10-750-623-28528/c  
; Sequence 28528, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-1  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 28528  
; LENGTH: 1294  
; TYPE: DNA  
; ORGANISM: Bovine 19866880904152  
US-10-750-623-28528

Alignment Scores:  
Pred. No.: 107 Length: 1294  
Score: 89.00 Matches: 50  
Percent Similarity: 39.4% Conservative: 30  
Best Local Similarity: 24.6% Mismatches: 59  
Query Match: 8.7% Indels: 64  
DB: 8 Gaps: 12

US-10-030-937-9 (1-193) x US-10-750-623-28528 (1-1294)

Qy 6 GlnAlaProLeuIleAlaLeuGlyLeuLeu-----LeuAla 18  
Db 1005 CAGGCTCCTCTG-----TCCATGGGGATTCTCTAGCGAAGATACTGGAATGGGTGCC 952

Qy 19 ThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsn 38  
Db 951 ATTCCCTCCTCCAGGGGATCTTCTCGACCTGCGGATAGAACCTGCATCTCTTACATCTCC 892  
Qy 39 CysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58  
Db 891 TGCATCGACAGGCGGAGATTTTACTATTAGCCCGACCTATGCCTTCATCCT----- 841  
Qy 59 ValValProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSer 78  
Db 840 -----TCTACAAAAGTG---CTTAAGAGT 820  
Qy 79 ProLeuLysValAspLeuValLeuGluLysGluValAla-GlyLeuTrpIleLys----- 96  
Db 819 CCT-----GTCAATAAAGGTCCTAATGAGGAGTCATTGTAAGCCCTG 775  
Qy 97 -IleProCys---ThrAspTyrIleGlySerCysThrPheGluHisPhe----- 111  
Db 774 AATGCCTGCCACACCCATTCTTTGGCTCATGCTGTCCATAGGTTTCTTTGTTCAG 715  
Qy 112 -----CysAspValLeuAspMetLeuIleProThrGlyGluPr 124  
Db 714 ACATTCAGAACGAATGTGAATTGTCATGATTGAATCATTTTCTAAGACTCGGAAAG-- 657  
Qy 124 oCysProGluProLeu-----ArgThrTyr-G 133  
Db 656 -TGTCCTAGAGAAACGGGGAGCCAACTGTGTCTACAGTTTCATTGGTCTGGAGAACATATTG 598  
Qy 133 lLeuProCysHisCysPropheLysGluGlyThrTyrSerLeuPro-----L 149  
Db 597 GG-----TGTCACCTGCTTTTCCCTCCTCTGTCTCCACTTGTTCATTCTTAGGTATCA 544  
Qy 149 ySerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrA 169  
Db 543 AGACAGAGTACAGCCAGTAAATGTAGATGTTTGTTCAAAGTCTCAGTGTCTCACAGTACC 484  
Qy 169 rgile 170  
Db 483 GCTTG 479

RESULT 5

US-11-000-688-1085/c  
; Sequence 1085, Application US/11000688  
; Publication No. US20050287544A1  
; GENERAL INFORMATION:  
; APPLICANT: BERTUCCI, Francois  
; APPLICANT: HOULGATTE, Remi  
; APPLICANT: BIRNBAUM, Daniel  
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS  
; FILE REFERENCE: 1423-R-03  
; CURRENT APPLICATION NUMBER: US/11/000,688  
; CURRENT FILING DATE: 2004-12-01  
; PRIOR FILING DATE: 2003-12-01  
; NUMBER OF SEQ ID NOS: 1596  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1085  
; LENGTH: 3497  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial sequences:primer  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(3497)  
; OTHER INFORMATION: proprotein convertase subtilisin/kexin type  
; OTHER INFORMATION: 7(PCSK7) gene.  
US-11-000-688-1085

Alignment Scores:  
Pred. No.: 326 Length: 3497  
Score: 89.00 Matches: 52





Db 1042 AGGCAGGGGTCCTTATCTCTT 1021

RESULT 7

US-10-893-483-185/c

; Sequence 185, Application US/10893483

; Publication No. US20060026696A1

; GENERAL INFORMATION:

; APPLICANT: Buelow, Roland

; APPLICANT: Platzzer, Josef

; APPLICANT: Schooten, Wim van

; TITLE OF INVENTION: Humanized Immunoglobulin Loci

; FILE REFERENCE: 39691-0007A

; CURRENT APPLICATION NUMBER: US/10/893,483

; CURRENT FILING DATE: 2004-07-15

; PRIOR APPLICATION NUMBER: 60/487,733

; PRIOR FILING DATE: 2003-07-15

; NUMBER OF SEQ ID NOS: 460

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 185

; LENGTH: 9858

; TYPE: DNA

; ORGANISM: Gallus domesticus

US-10-893-483-185

Alignment Scores:

Pred. No.: 1.15e+03 Length: 9858

Score: 88.50 Matches: 60

Percent Similarity: 38.7% Conservative: 26

Best Local Similarity: 27.0% Mismatches: 89

Query Match: 8.7% Indels: 47

DB: 7 Gaps: 12

US-10-030-937-9 (1-193) x US-10-893-483-185 (1-9858)

QY 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeu-----GlyLeu 15

Db 4948 CTCACCTCCCTCGCCCTGCTGCCACTCTCATTTGCGTGCTCCCCAGGATACCACCTGGCC 4889

QY 16 LeuLeuAlaThrProAlaGln-----AlaHisLeuLysLysProSerGlnLeu 31

Db 4888 TTCTTGGCCACAGGCACACCGGTGGCTCACAGCCAGCCTGCTGCCAGCAGGATGCTC 4829

QY 32 SerSerPheSer-----TrpAspAsnCys 39

Db 4828 AGGTCCTCTCTCAGAGCTCATCTGCAGCAGCTCAGCCCTTAACCTGAACCTGATGATGC 4769

QY 40 -----PheGluGlyLysAspPro-----AlaValIleArgSerLeuThrLeuGlu 54

Db 4768 TGTATTCTTCCAGGTGTAGATCTACACTTGCCATTGTTGAACCTCATTTGGGTTCTT 4709

QY 55 ProAspProIleValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74

Db 4708 CCCTGCCAGCTCTCCAGTCTGTCCAGCTCTGTTGAAT-----GGCAGCACAGCCTTG 4655

QY 75 ---ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeu 93

Db 4654 TGGTGGCTCAGCCACTCTCCCGACTTCATATGATCAGTGAACCCGCTGATGGTGGATGC 4595

QY 94 TrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPhe----- 111

Db 4594 TGTCCCTCATCCAGTCACTGATGAAGATGTTGAACAAGGCAGGAGCCATTTCATGTT 4535

QY 112 -----CysAspValLeuAspMetLeuIleProThrGlyGluProCysProGluPro 128

Db 4534 TCTGTGAATTGCTGCAGTGCAACGCCCTGGTGGCTTGCAGTGAGATGGGACCAGACCT 4475

QY 129 LeuArgThrTyrGlyLeu-----ProCysHisCysPro-----PheLys 141

Db 4474 GCTCTGCAGGGTGGGAGTGGCAATCCCTCCCTCATTTCCCCAAGCCACAGCTTGGG 4415

QY 142 GluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSer 161

Db 4414 GACCAAGCTGACCAGCTCCCTGGAGGCTCTTCTCTCAGCCA-----TGGCCAAA 4364

QY 162 TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSer-----SerGly 178

Db 4363 TGGGGCCCAAAATCAGCATTTCTCTCTCTGGCTCTGCTTGTCTGTGCGGCGGCGGC 4304

QY 179 LysArg 180

Db 4303 GCTCGT 4298

RESULT 8

US-10-893-483-186/c

; Sequence 186, Application US/10893483

; Publication No. US20060026696A1

; GENERAL INFORMATION:

; APPLICANT: Buelow, Roland

; APPLICANT: Platzzer, Josef

; APPLICANT: Schooten, Wim van

; TITLE OF INVENTION: Humanized Immunoglobulin Loci

; FILE REFERENCE: 39691-0007A

; CURRENT APPLICATION NUMBER: US/10/893,483

; CURRENT FILING DATE: 2004-07-15

; PRIOR APPLICATION NUMBER: 60/487,733

; PRIOR FILING DATE: 2003-07-15

; NUMBER OF SEQ ID NOS: 460

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 186

; LENGTH: 36259

; TYPE: DNA

; ORGANISM: Gallus domesticus

US-10-893-483-186

Alignment Scores:

Pred. No.: 4.94e+03 Length: 36259

Score: 88.50 Matches: 60

Percent Similarity: 38.7% Conservative: 26

Best Local Similarity: 27.0% Mismatches: 89

Query Match: 8.7% Indels: 47

DB: 7 Gaps: 12

US-10-030-937-9 (1-193) x US-10-893-483-186 (1-36259)

QY 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeu-----GlyLeu 15

Db 31349 CTCACCTCCCTCGCCCTGCTGCCACTCTCATTTGCGTGCTCCCCAGGATACCACCTGGCC 31290

QY 16 LeuLeuAlaThrProAlaGln-----AlaHisLeuLysLysProSerGlnLeu 31

Db 31289 TTCTTGGCCACAGGCACACCGGTGGCTCACAGCCAGCCTGCTGTCCAGCAGGATGCTC 31230

QY 32 SerSerPheSer-----TrpAspAsnCys 39

Db 31229 AGGTCCTCTCTCAGAGCTCATCTGCAGCAGCTCAGCCCTTAACCTGAACCTGATGATGC 31170

QY 40 -----PheGluGlyLysAspPro-----AlaValIleArgSerLeuThrLeuGlu 54

Db 31169 TGTATTCTTCCAGGTGTAGATCTACACTTGCCATTGTTGAACCTCATTTGGGTTCTT 31110

QY 55 ProAspProIleValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74

Db 31109 CCCTGCCAGCTCTCCAGTCTGTCCAGCTCTGTTGAAT-----GGCAGCACAGCCTTG 31056

QY 75 ---ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeu 93

Db 31055 TGGTGGCTCAGCCACTCTCCCGACTTCATATGATCAGTGAACCCGCTGATGGTGGATGC 30996

QY 94 TrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPhe----- 111

Db 30995 TGTCCCTCATCCAGGTCACTGATGAAGATGTTGAACAAGGCAGGAGCCATTTCATGTT 30936

QY 112 -----CysAspValLeuAspMetLeuIleProThrGlyGluProCysProGluPro 128

Db 30935 TCTGTGAATTGCTGCAGTGCAACGCCCTGGTGGCTTGCAGTGCAGTGGGACCAGACCT 30876

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QY 129 LeuArgThrTyrGlyLeu-----ProCysHisCysPro-----PheLys 141
Db 30875 GCTCTGCAGGTGGCAGTGGCAATCCCTCCCATCATTTCCCAAGCCACAGCTTGGG 30816
QY 142 GluGlyThrTyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuProSer 161
Db 30815 GACCAAGCTGACCAGCTCCCTGGAAGCCTCTCTCTCAGCCA-----TGGCCAAAA 30765
QY 162 TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSer-----SerGly 178
Db 30764 TGGGGCCCAATCAGCATTTCTGCTCCTGGCTCTGCTTGTGCTGTGCGCGGACGGC 30705
QY 179 LysArg 180
Db 30704 GCTCGT 30699

RESULT 9
US-09-925-065A-141896/c
; Sequence 141896, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 141896
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-141896

Alignment Scores:
Pred. No.: 79.5 Length: 609
Score: 86.50 Matches: 44
Percent Similarity: 38.3% Conservative: 18
Best Local Similarity: 27.2% Mismatches: 59
Query Match: 8.5% Indels: 41
DB: 6 Gaps: 8

US-10-030-937-9 (1-193) x US-09-925-065A-141896 (1-609)

QY 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeu----- 76
Db 594 CCCCACGGCCAGCACTCAGCACACTGCAGACCCTGTCCCAACCATGCCACATCTGCTT 535
QY 77 -----SerSerProLeuLysValAspLeuValLeuGluLys 88
Db 534 GGCACCCATCATTCCTGCTGCGGCAGCCCAKAGAGTTTGGTGACTCCATGCCCCAGGAG 475
QY 89 GluValAla---GlyLeuTrp-----IleLysIleProCys----- 99
Db 474 GAGTGGGCTTGCTGTGTGGGGCAGCCCAKAGAGTTTGGTGACTCCATGCCCCAGGAG 415
QY 100 -----ThrAspTyrIleGlySer-CysThrPheGluHisPheCys-----AspVa 114
Db 414 CCAAGGATGGACAGAGCGGGTCCATGTCATCTCCAGCCCACTGCCCCAGGGGACAG 355
QY 114 lLeuAspMetLeuIleProThrGlyGluProCysPro-----GluProLeuArgThrTy 132
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Db 354 CCTAAGGCCTGCCCTGCCACCTCCCCAGTATGCCCTCAGCAGCAGCCTGCTCATTGTCA 295
QY 132 rGlyLeuProCysHisCys-PropheLysGluGlyThrTyrSerLeuProLysSerGluP 152
Db 294 CACCTGTCTGGCTGCTGCTCCCTTTC-----CTCCCGGTGGGTGTT 253
QY 152 heAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrArgIleGluS 172
Db 252 TCCCAGGATCACCATCTACACTGCCTGCTGGGTC-----CAAGTCCTTA 208
QY 172 erValLeuSerSerGlyLysArgLeuGlyCysIleLysIleAlaAlaSerLeuLysG 192
Db 207 CCGTAGGCTCTGGCCTGGGAAGTTTGCAGAATGCTGGGGGATGAGTGGGGGCTCAAGG 148
QY 192 lY 192
Db 147 GA 146

RESULT 10
US-11-098-686-9363
; Sequence 9363, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9363
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Lawsonia intracellularis
US-11-098-686-9363

Alignment Scores:
Pred. No.: 177 Length: 1251
Score: 86.50 Matches: 43
Percent Similarity: 35.3% Conservative: 29
Best Local Similarity: 21.1% Mismatches: 63
Query Match: 8.5% Indels: 69
DB: 12 Gaps: 9

US-10-030-937-9 (1-193) x US-11-098-686-9363 (1-1251)

QY 13 LeuGlyLeuLeuLeuAlaThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSer 32
Db 505 ATAGGGTTGAAACTTTTAAACAAATAGCTGCACAACTAAAGAA----- 549
QY 33 SerPheSerTrpAsp---AsnCysPheGluGlyLysAspProAlaValIleArgSerLeu 51
Db 550 TCTTTTGTGGGATGTTTACATTTGATACGTGGTAATTATACCCCAAGTACTAAAAATCTATT 609
QY 52 ThrLeuGluProAspProIleValValProGlyAsnValThrLeuSerValValGlySer 71
Db 610 AGT---TCCCCTTTGCACCTATTATGCTGTGGAATATGCTTAATGAATTTAAAGGAAAA 666
QY 72 ThrSerValProLeuSerSerProLeuLys-----ValAspLeuValLeu 86
Db 667 ACAATCATCTTATTAGAACCGGTATGGAACAAATGGTAATGCTCATATAATAATGTTTTTA 726
QY 87 GluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr----- 102
Db 727 CACTCTGATGGAGCAGCATTTGTTGTAGAG---CCTGGAACACACGTTTGGGTGGAAGCTT 783
QY 103 -----IleGlySerCysThr 107
```

Db 784 ATGCTACATTAAGAGAAGTTGCTATACAAGATACATTTATTTCTATTGCTCCTTGACACA 843

QY 108 PheGluHisPheCysAspValLeuAspMetLeulleProThrGlyGluProCysProGlu 127

Db 844 CATACAGCTTTTTCCTTTATTAAT----- 870

QY 128 ProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeu 147

Db 871 -----AGTACAAATAATCTTTGGTGTCATGCTCTGTTT----- 903

QY 148 ProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn 167

Db 904 -----GATGTAGTGACCAATGCTTATTAAAC----- 933

QY 168 TyrArgIleGluSerValLeuSerSerSerGlyLysArgLeuGlyCysIleLysIleAla 187

Db 934 -----CTTAGTCAAGCAGCTAATTTATCAAAAGTTAAAGTAAGT 972

QY 188 AlaSerLeuLys 191

Db 973 TTTTCTTTTCAG 984

RESULT 11

US-10-750-185-43441

; Sequence 43441, Application US/10750185

; Publication No. US20050260603A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; APPLICANT: DENISE, Sue K.

; APPLICANT: KERR, Richard

; APPLICANT: ROSENFELD, David

; APPLICANT: HOLM, Tom

; APPLICANT: BATES, Stephen

; APPLICANT: FANTIN, Dennis

; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM1100-2

; CURRENT APPLICATION NUMBER: US/10/750,185

; PRIOR FILING DATE: 2003-12-31

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; SEQ ID NO 43441

; LENGTH: 3114

; TYPE: DNA

; ORGANISM: Bovine 19866880531065

US-10-750-185-43441

Alignment Scores:

Pred. No.: 491 Length: 3114

Score: 86.50 Matches: 39

Percent Similarity: 36.4% Conservative: 9

Best Local Similarity: 29.5% Mismatches: 47

Query Match: 8.5% Indels: 38

DB: 8 Gaps: 6

US-10-030-937-9 (1-193) x US-10-750-185-43441 (1-3114)

QY 55 ProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74

Db 2123 CCCGACCCAGGATGAACCCGGGTCTCCCGCATTCGAGGCAGACACTTTAACCTCTGAG 2182

QY 75 ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94

Db 2183 CCACCAGGGAAGCCCTTTCACCTTTCTCTAACCAGAA----- 2227

US-10-030-937-9 (1-193) x US-10-750-185-43441 (1-3114)

QY 55 ProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74

Db 2123 CCCGACCCAGGATGAACCCGGGTCTCCCGCATTCGAGGCAGACACTTTAACCTCTGAG 2182

QY 75 ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94

Db 2183 CCACCAGGGAAGCCCTTTCACCTTTCTCTAACCAGAA----- 2227

QY 95 IleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspVal 114

Db 2228 -----TGTAACAACGTCTAAGGC----- 2245

QY 115 LeuAspMetLeulleProThrGlyGluProCysProGluProLeuArgThrTyrGlyLeu 134

Db 2246 -----CCTCTGTG-GAGCAGAGTCCT-----CACGGGCTG 2274

QY 135 Pro-----CysHis-----CysProPheLysGluGlyThrTyrSerLeuPro 148

Db 2275 CCAGACAGCTGCCATGAGAGGCCTTACTGCAATAATAGTAAGGGCACATACCTCAGAACCA 2334

QY 149 LysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyr 168

Db 2335 AGCATCAACCTAGTTCCTCCATTAGTCAGCTTGTGCATCTGGGATGGTT-----TCCTGC 2388

QY 169 ArgIleGluSerValLeuSerSerSerGlyLysArg 180

Db 2389 CTTATTGAAGATACAGTTTCTTCACGCATATAAAAGG 2424

RESULT 12

US-10-750-623-43441

; Sequence 43441, Application US/10750623

; Publication No. US20050287531A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; APPLICANT: DENISE, Sue K.

; APPLICANT: KERR, Richard

; APPLICANT: ROSENFELD, David

; APPLICANT: HOLM, Tom

; APPLICANT: BATES, Stephen

; APPLICANT: FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM1100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; SEQ ID NO 43441

; LENGTH: 3114

; TYPE: DNA

; ORGANISM: Bovine 19866880531065

US-10-750-623-43441

Alignment Scores:

Pred. No.: 491 Length: 3114

Score: 86.50 Matches: 39

Percent Similarity: 36.4% Conservative: 9

Best Local Similarity: 29.5% Mismatches: 47

Query Match: 8.5% Indels: 38

DB: 8 Gaps: 6

US-10-030-937-9 (1-193) x US-10-750-623-43441 (1-3114)

QY 55 ProAspProIleValValProGlyAsnValThrLeuSerValValGlySerThrSerVal 74

Db 2123 CCCGACCCAGGATGAACCCGGGTCTCCCGCATTCGAGGCAGACACTTTAACCTCTGAG 2182

QY 75 ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94

Db 2183 CCACCAGGGAAGCCCTTTCACCTTTCTCTAACCAGAA----- 2227

QY 95 IleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspVal 114

Db 2228 -----TGTAACAACGTCTAAGGC----- 2245

QY 115 LeuAspMetLeulleProThrGlyGluProCysProGluProLeuArgThrTyrGlyLeu 134

Db 2246 -----CCTCTGTG-GAGCAGAGTCCT-----CACGGGCTG 2274

QY 135 Pro-----CysHis-----CysProPheLysGluGlyThrTyrSerLeuPro 148

Db 2275 CCAGACAGCTGCCATGAGAGGCCTTACTGCAATAATAGTAAGGGCACATACCTCAGAACCA 2334

QY 149 LysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyr 168

Db 2335 AGCATCAACCTAGTTCCTCCATTAGTCAGCTTGTGCATCTGGGATGGTT-----TCCTGC 2388

Qy 169 ArgileGluSerValLeuSerSerSerGlyLysArg 180  
Db 2389 CTTATTGAAGATACAGTTTCCTCAGCGCATAAAAGG 2424

RESULT 13

US-11-128-061-1065  
; Sequence 1065, Application US/11128061  
; Publication No. US20060003958A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS  
; FILE REFERENCE: 01997.027701  
; CURRENT APPLICATION NUMBER: US/11/128,061  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1065  
; LENGTH: 13667  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1550)..(1574)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (2054)..(2082)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (2119)..(2161)  
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; LOCATION: (3066)..(3078)  
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Qy 29 SerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIle 48  
Db 8325 -----AGCCCTTCTCCTGGCCTTCATGTGTTCTCCCTCCGGCCCCCACCTACTGAT 8375  
Qy 49 ArgSerLeuThrLeu-----GluProAspProIleValValProGlyAsn 63  
Db 8376 GCATCCATCACAGTCTTACAGAAAGCCTCCTTCCTGTGCCCATCACCTGCCCGAGTCA 8435  
Qy 64 ValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysValAsp 83  
Db 8436 AGTCCTTTACCTCTC-----AGAAAGTCACCCCACTCCATTCCTCGGCGCTGCC 8489





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Db	560178	TCTTTTGTGGGATGTTACATTGATACGTGGTAATTATACCCAAGTACTAAATCTATT	560119
QY	52	ThrLeuGluProAspProIleValValProGlyAsnValThrLeuSerValValGlySer	71
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QY	72	ThrSerValProLeuSerSerProLeuLys-----ValAspLeuValLeu	86
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QY	87	GluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr-----	102
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Db	559884	CATACAGCTTTTGTCTCTTATTAAAT-----	559858
QY	128	ProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeu	147
Db	559857	-----AGTACAAATAATCTTTGGTGTCTGTT-----	559825
QY	148	ProLysSerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn	167
Db	559824	-----GATGTAGATGCACCAATGGTTATTAAAC-----	559795
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Job time : 3099.1 secs

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; Sequence 8739, Application US/11098686  
; Publication No. US20060024696A1  
; GENERAL INFORMATION:  
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING  
; FILE REFERENCE: 09531-128001  
; CURRENT APPLICATION NUMBER: US/11/098,686  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31318  
; PRIOR FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: US 60/416,395  
; PRIOR FILING DATE: 2002-10-04  
; NUMBER OF SEQ ID NOS: 11433  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8739  
; LENGTH: 1457619  
; TYPE: DNA  
; ORGANISM: Lawsonia intracellularis  
US-11-098-686-8739

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Query Match:	8.5%	Indels: 69



GenCore version 5.1.7  
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Run on: February 16, 2006, 12:57:39 ; Search time 252.187 Seconds  
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1360.379 Million cell updates/sec

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Fgapop 6.0 , Fgapext 7.0  
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Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	97.5	9.6	20966	3	US-09-909-547-7
3	97.5	9.6	20966	3	US-09-569-852B-1
4	92.5	9.1	9950	3	US-09-949-016-12075
5	92.5	9.1	9950	3	US-09-949-016-14226
6	92	9.0	99748	3	US-09-949-016-11990
7	92	9.0	99749	3	US-09-949-016-16518
8	91.5	9.0	34677	3	US-09-949-002-593
9	91	8.9	455726	3	US-09-949-016-14157

c	10	91	8.9	481115	3	US-09-949-016-11940	Sequence 11940, A
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	12	89.5	8.8	890	3	US-09-168-595-78	Sequence 78, Appl
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c	14	89.5	8.8	1633	2	US-08-466-906B-5	Sequence 5, Appli
c	15	89.5	8.8	1633	3	US-08-706-281A-5	Sequence 5, Appli
c	16	89.5	8.8	1633	3	US-09-201-746-5	Sequence 5, Appli
c	17	89.5	8.8	1633	3	US-09-097-231-5	Sequence 5, Appli
c	18	89.5	8.8	1633	3	US-09-353-099-5	Sequence 5, Appli
c	19	89.5	8.8	1633	3	US-09-016-434-1343	Sequence 1343, Ap
c	20	89	8.7	2546	3	US-09-949-002-234	Sequence 234, App
	21	88.5	8.7	601	3	US-09-949-016-30962	Sequence 30962, A
	22	88.5	8.7	601	3	US-09-949-016-30963	Sequence 30963, A
	23	88.5	8.7	601	3	US-09-949-016-158143	Sequence 158143,
	24	88.5	8.7	601	3	US-09-949-016-158144	Sequence 158144,
	25	88.5	8.7	1388	3	US-09-976-594-806	Sequence 806, App
	26	88.5	8.7	22339	3	US-09-949-016-12411	Sequence 12411, A
	27	88.5	8.7	22339	3	US-09-949-016-16154	Sequence 16154, A
c	28	88	8.6	15252	3	US-09-949-016-13584	Sequence 13584, A
c	29	88	8.6	29485	3	US-09-785-381-6	Sequence 6, Appli
	30	88	8.6	43950	3	US-09-735-934A-3	Sequence 3, Appli
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	36	86.5	8.5	2781	3	US-09-302-812-7	Sequence 7, Appli
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	41	86	8.4	29629	3	US-09-729-995-3	Sequence 3, Appli
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	44	86	8.4	37030	3	US-08-311-731A-25	Sequence 25, Appl
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ALIGNMENTS

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; Sequence 7, Application US/09776976  
; Patent No. 6566332  
; GENERAL INFORMATION:  
; APPLICANT: Fruebis, Joachim  
; APPLICANT: Erickson, Mary Ruth  
; APPLICANT: Yen, Frances  
; APPLICANT: Bihain, Bernard  
; TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing Body Mass  
; FILE REFERENCE: 76 US4 REG  
; CURRENT APPLICATION NUMBER: US/09/776,976  
; CURRENT FILING DATE: 2001-02-05  
; PRIOR APPLICATION NUMBER: US 09/758,055  
; PRIOR FILING DATE: 2001-01-10  
; PRIOR APPLICATION NUMBER: US 60/176,228  
; PRIOR FILING DATE: 2000-01-14  
; PRIOR APPLICATION NUMBER: US 60/198,087  
; PRIOR FILING DATE: 2000-04-13  
; PRIOR APPLICATION NUMBER: US 60/299,881  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patent.pm  
; SEQ ID NO 7  
; LENGTH: 20966  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
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; LOCATION: 1..4811  
; OTHER INFORMATION: 5' regulatory region  
; NAME/KEY: exon  
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; LOCATION: 17171..17189
; OTHER INFORMATION: 9-16-189.mis complement
; US-09-776-976-7
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Pred. No.: 13.9 Length: 20966
Score: 97.50 Matches: 57
Percent Similarity: 41.8% Conservative: 24
Best Local Similarity: 29.4% Mismatches: 72
Query Match: 9.6% Indels: 41
DB: 3 Gaps: 10
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QY 34 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeu 53
Db 6639 AGACTGGCTCCTTGCTTTTGGGA-----CAGGGTCTCACTCTA 6680
QY 54 GluProAspProIleValProGlyAsnValThr-----LeuSerValVal 69
Db 6681 TCACCC---AGGCTGGAGTGCAGTGGTGCATCACAGCTCACTGCAGCCTCGATTCCCA 6737
QY 70 GlySerThrSerValProLeuSerSer-ProLeuLysValAspLeuValLeuGluLysGl 89
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Db 7083 AGAGACTTATCCTAAAAATGTGGTGGTGGTGGATGC 7120

RESULT 2
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; Sequence 7, Application US/09909547
; Patent No. 6579852
; GENERAL INFORMATION:
; APPLICANT: Fruebis, Joachim
; APPLICANT: Erickson, Mary Ruth
; APPLICANT: Yen, Frances
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing Body Mass
; FILE REFERENCE: 76.US6.CIP
; CURRENT APPLICATION NUMBER: US/09/909,547
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: US 09/776,976
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/758,055
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/299,881
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/198,087
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/176,228
; PRIOR FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent.pm
; SEQ ID NO 7
; LENGTH: 20966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
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; LOCATION: 1..4811
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: exon
; LOCATION: 4812..4851
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 15144..15365
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 16277..20559
; OTHER INFORMATION: exon 3
; NAME/KEY: misc feature
; LOCATION: 20560..20966
; OTHER INFORMATION: 3' regulatory region
; NAME/KEY: allele
; LOCATION: 3787
; OTHER INFORMATION: 9-27-261 : polymorphic base G or C
; NAME/KEY: allele
; LOCATION: 11118
; OTHER INFORMATION: 99-14387-129 : polymorphic base A or C
; NAME/KEY: allele
; LOCATION: 15120
; OTHER INFORMATION: 9-12-48 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15196
; OTHER INFORMATION: 9-12-124 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 15427
; OTHER INFORMATION: 9-12-355 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 15500
; OTHER INFORMATION: 9-12-428 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 15863
; OTHER INFORMATION: 99-14405-105 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 17170
; OTHER INFORMATION: 9-16-189 : polymorphic base deletion of A
; NAME/KEY: primer_bind
; LOCATION: 3528..3545
; OTHER INFORMATION: 9-27.pu
; NAME/KEY: primer_bind
; LOCATION: 3928..3946
; OTHER INFORMATION: 9-27.rp complement
; NAME/KEY: primer_bind
; LOCATION: 10990..11008
; OTHER INFORMATION: 99-14387.pu
; NAME/KEY: primer_bind
; LOCATION: 11423..11442
; OTHER INFORMATION: 99-14387.rp complement
; NAME/KEY: primer_bind
; LOCATION: 15073..15092
; OTHER INFORMATION: 9-12.pu
; NAME/KEY: primer_bind
; LOCATION: 15503..15520
; OTHER INFORMATION: 9-12.rp complement
; NAME/KEY: primer_bind
; LOCATION: 15759..15776
; OTHER INFORMATION: 99-14405.pu
; NAME/KEY: primer_bind
; LOCATION: 16191..16211
; OTHER INFORMATION: 99-14405.rp complement
; NAME/KEY: primer_bind
; LOCATION: 16982..17001
; OTHER INFORMATION: 9-16.pu
; NAME/KEY: primer_bind
; LOCATION: 17384..17402
; OTHER INFORMATION: 9-16.rp complement
; NAME/KEY: misc_binding
; LOCATION: 3775..3799
; OTHER INFORMATION: 9-27-261.probe
; NAME/KEY: misc_binding
; LOCATION: 11106..11130
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OTHER INFORMATION: 99-14387-129.probe				Best Local Similarity: 29.4%				Mismatches: 72			
NAME/KEY: misc_binding				Query Match: 9.6%				Indels: 41			
LOCATION: 15108..15132				DB: 3				Gaps: 10			
OTHER INFORMATION: 9-12-48.probe				US-10-030-937-9 (1-193) x US-09-909-547-7 (1-20966)							
NAME/KEY: misc_binding											
LOCATION: 15184..15208											
OTHER INFORMATION: 9-12-124.probe				Qy 19 ThrProAlaGlnAla-----HisLeuLysLysProSerGlnLeuSerSer 33							
NAME/KEY: misc_binding											
LOCATION: 15415..15439				Db 6579 ACTCCAGCCTGGGCAAAAAGAGCAAAACTCCATCTCAAAAAAATAGACACA 6638							
OTHER INFORMATION: 9-12-355.probe											
NAME/KEY: misc_binding											
LOCATION: 15488..15512				Qy 34 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeu 53							
OTHER INFORMATION: 9-12-428.probe				Db 6639 AGACTGGCTCCTTGTCTTTTGGGA-----CAGGGTCTCACTCTA 6680							
NAME/KEY: misc_binding											
LOCATION: 15851..15875				Qy 54 GluProAspProIleValValProGlyAsnValThr-----LeuSerValVal 69							
OTHER INFORMATION: 99-14405-105.probe				Db 6681 TCACCC---AGGCTGGAGTGCAGTGGTGCAATCACAGCTCACTGCAGCCTCGATTTCCCA 6737							
NAME/KEY: misc_binding											
LOCATION: 17158..17182				Qy 70 GlySerThrSerValProLeuSerSer-ProLeuLysValAspLeuValLeuGluLysGl 89							
OTHER INFORMATION: 9-16-189.probe				Db 6738 GGCTCAAGTGACCCCTCCCATCTTAGCCTCCTGAGTAGTGGGACTACAGGTGTGTGCAAC 6797							
NAME/KEY: primer_bind											
LOCATION: 3768..3786				Qy 89 uValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGl 109							
OTHER INFORMATION: 9-27-261.mis				Db 6798 CATGCTGGCTAATTTTAAATAATTTTGTAGAGATGAGGTCTCAGTCTCACTA----- 6846							
NAME/KEY: primer_bind											
LOCATION: 3788..3806				Qy 109 uHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGluProLe 129							
OTHER INFORMATION: 9-27-261.mis complement				Db 6847 -TATTGGCTGGGGGCGCTCAAACTCCTGGGCTCAGCAGTCTCTCCCA---CCTCAGCCTCC 6902							
NAME/KEY: primer_bind											
LOCATION: 11099..11117				Qy 129 uArgThrTyrGlyLeu---ProCysHis-----CysProPheLysGluGlyTh 144							
OTHER INFORMATION: 99-14387-129.mis complement				Db 6903 CAAAAGGCTGGGATTATATGCTTGTCTTTTAAAGGTGGCTGTAGGGACAACACTTTCCAC 6962							
NAME/KEY: primer_bind											
LOCATION: 15101..15119				Qy 144 rTyrSerLeuProLys-SerGluPheAlaValProAspLeuGluLeuProSer----- 161							
OTHER INFORMATION: 9-12-48.mis				Db 6963 CTACTCTTGTCAAGCCAGTGGACCGGTGGTCCCAGACATACGGCTAAAGTCAAGAGGTG 7022							
NAME/KEY: primer_bind											
LOCATION: 15121..15139				Qy 162 -----TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyL 179							
OTHER INFORMATION: 9-12-48.mis complement				Db 7023 ATGTCTTTTGGAGAGATACTTTCAATCAGGAATTTCAATCAGAAATTCATATCATGTGGAG 7082							
NAME/KEY: primer_bind											
LOCATION: 15177..15195				Qy 179 ysArgLeu-----GlyCys 183							
OTHER INFORMATION: 9-12-124.mis				Db 7083 AGAGACTTATCCTAAAAATGTGGTGGTGGTGGATGC 7120							
NAME/KEY: primer_bind											
LOCATION: 15197..15215											
OTHER INFORMATION: 9-12-124.mis complement											
NAME/KEY: primer_bind											
LOCATION: 15408..15426											
OTHER INFORMATION: 9-12-355.mis											
NAME/KEY: primer_bind											
LOCATION: 15428..15446											
OTHER INFORMATION: 9-12-355.mis complement											
NAME/KEY: primer_bind											
LOCATION: 15481..15499											
OTHER INFORMATION: 9-12-428.mis											
NAME/KEY: primer_bind											
LOCATION: 15501..15519											
OTHER INFORMATION: 9-12-428.mis complement											
NAME/KEY: primer_bind											
LOCATION: 15844..15862											
OTHER INFORMATION: 99-14405-105.mis											
NAME/KEY: primer_bind											
LOCATION: 15864..15882											
OTHER INFORMATION: 99-14405-105.mis complement											
NAME/KEY: primer_bind											
LOCATION: 17151..17169											
OTHER INFORMATION: 9-16-189.mis											
NAME/KEY: primer_bind											
LOCATION: 17171..17189											
OTHER INFORMATION: 9-16-189.mis complement											
US-09-909-547-7											
Alignment Scores:											
Pred. No.:				13.9				Length: 20966			
Score:				97.50				Matches: 57			
Percent Similarity:				41.8%				Conservative: 24			

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FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(4811)
OTHER INFORMATION: 5' regulatory region
NAME/KEY: primer_bind
LOCATION: (14683)..(14701)
OTHER INFORMATION: 17-34-860.mis
NAME/KEY: primer_bind
LOCATION: (14703)..(14721)
OTHER INFORMATION: 17-34-860.mis complement
NAME/KEY: primer_bind
LOCATION: (14738)..(14756)
OTHER INFORMATION: 17-34-915.mis
NAME/KEY: primer_bind
LOCATION: (14758)..(14776)
OTHER INFORMATION: 17-34-915.mis complement
NAME/KEY: primer_bind
LOCATION: (14796)..(14814)
OTHER INFORMATION: 17-35-71.mis
NAME/KEY: primer_bind
LOCATION: (14816)..(14834)
OTHER INFORMATION: 17-35-71.mis complement
NAME/KEY: primer_bind
LOCATION: (15031)..(15049)
OTHER INFORMATION: 17-35-306.mis
NAME/KEY: primer_bind
LOCATION: (15051)..(15069)
OTHER INFORMATION: 17-35-306.mis complement
NAME/KEY: primer_bind
LOCATION: (15101)..(15119)
OTHER INFORMATION: 9-12-48.mis
NAME/KEY: primer_bind
LOCATION: (15121)..(15139)
OTHER INFORMATION: 9-12-48.mis complement
NAME/KEY: primer_bind
LOCATION: (15177)..(15195)
OTHER INFORMATION: 9-12-124.mis
NAME/KEY: primer_bind
LOCATION: (15197)..(15215)
OTHER INFORMATION: 9-12-124.mis complement
NAME/KEY: primer_bind
LOCATION: (15408)..(15426)
OTHER INFORMATION: 9-12-355.mis
NAME/KEY: primer_bind
LOCATION: (15428)..(15446)
OTHER INFORMATION: 9-12-355.mis complement
NAME/KEY: primer_bind
LOCATION: (15481)..(15499)
OTHER INFORMATION: 9-12-428.mis
NAME/KEY: primer_bind
LOCATION: (15501)..(15519)
OTHER INFORMATION: 9-12-428.mis complement
NAME/KEY: primer_bind
LOCATION: (15661)..(15679)
OTHER INFORMATION: 17-36-47.mis
NAME/KEY: primer_bind
LOCATION: (15681)..(15699)
OTHER INFORMATION: 17-36-47.mis complement
NAME/KEY: primer_bind
LOCATION: (15771)..(15789)
OTHER INFORMATION: 17-36-120.mis
NAME/KEY: primer_bind
LOCATION: (15791)..(15809)
OTHER INFORMATION: 17-36-120.mis complement
NAME/KEY: primer_bind
LOCATION: (15844)..(15862)
OTHER INFORMATION: 99-14405-105.mis
NAME/KEY: primer_bind
LOCATION: (15864)..(15882)
OTHER INFORMATION: 99-14405-105.mis complement
NAME/KEY: primer_bind
LOCATION: (17151)..(17169)
OTHER INFORMATION: 9-16-189.mis
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NAME/KEY: primer_bind
LOCATION: (17171)..(17189)
OTHER INFORMATION: 9-16-189.mis complement
NAME/KEY: primer_bind
LOCATION: (17810)..(17828)
OTHER INFORMATION: 17-37-629.mis
NAME/KEY: primer_bind
LOCATION: (17830)..(17848)
OTHER INFORMATION: 17-37-629.mis complement
NAME/KEY: primer_bind
LOCATION: (17992)..(18010)
OTHER INFORMATION: 17-37-811.mis
NAME/KEY: primer_bind
LOCATION: (18012)..(18030)
OTHER INFORMATION: 17-37-811.mis complement
NAME/KEY: primer_bind
LOCATION: (18470)..(18488)
OTHER INFORMATION: 17-38-349.mis
NAME/KEY: primer_bind
LOCATION: (18490)..(18508)
OTHER INFORMATION: 17-38-349.mis complement
NAME/KEY: primer_bind
LOCATION: (926)..(944)
OTHER INFORMATION: 17-30-216.mis
NAME/KEY: primer_bind
LOCATION: (946)..(964)
OTHER INFORMATION: 17-30-216.mis complement
NAME/KEY: primer_bind
LOCATION: (3719)..(3737)
OTHER INFORMATION: 9-27-211.mis
NAME/KEY: primer_bind
LOCATION: (3739)..(3757)
OTHER INFORMATION: 9-27-211.mis complement
NAME/KEY: primer_bind
LOCATION: (3754)..(3772)
OTHER INFORMATION: 9-27-246.mis
NAME/KEY: primer_bind
LOCATION: (3774)..(3792)
OTHER INFORMATION: 9-27-246.mis complement
NAME/KEY: primer_bind
LOCATION: (3768)..(3786)
OTHER INFORMATION: 9-27-261.mis
NAME/KEY: primer_bind
LOCATION: (3788)..(3806)
OTHER INFORMATION: 9-27-261.mis complement
NAME/KEY: primer_bind
LOCATION: (5076)..(5094)
OTHER INFORMATION: 17-31-298.mis
NAME/KEY: primer_bind
LOCATION: (5191)..(5209)
OTHER INFORMATION: 17-31-413.mis
NAME/KEY: primer_bind
LOCATION: (5211)..(5229)
OTHER INFORMATION: 17-31-413.mis complement
NAME/KEY: primer_bind
LOCATION: (5364)..(5382)
OTHER INFORMATION: 17-31.rp complement
NAME/KEY: primer_bind
LOCATION: (10618)..(10636)
OTHER INFORMATION: 17-32-24.mis
NAME/KEY: primer_bind
LOCATION: (10638)..(10656)
OTHER INFORMATION: 17-32-24.mis complement
NAME/KEY: primer_bind
LOCATION: (11020)..(11038)
OTHER INFORMATION: 99-14387-50.mis
NAME/KEY: primer_bind
LOCATION: (11040)..(11058)
OTHER INFORMATION: 99-14387-50.mis complement
NAME/KEY: primer_bind
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; LOCATION: (11099)..(11117)
; OTHER INFORMATION: 99-14387-129.mis
; NAME/KEY: primer_bind
; LOCATION: (11119)..(11137)
; OTHER INFORMATION: 99-14387-129.mis complement
; NAME/KEY: primer_bind
; LOCATION: (11169)..(11187)
; OTHER INFORMATION: 99-14387-199.mis
; NAME/KEY: primer_bind
; LOCATION: (11189)..(11207)
; OTHER INFORMATION: 99-14387-199.mis complement
; NAME/KEY: primer_bind
; LOCATION: (11954)..(11972)
; OTHER INFORMATION: 17-33-TGAGACT.mis
; NAME/KEY: primer_bind
; LOCATION: (13974)..(13992)
; OTHER INFORMATION: 17-33-TGAGACT.mis complement
; NAME/KEY: exon
; LOCATION: (4812)..(4851)
; OTHER INFORMATION:
; NAME/KEY: exon
; LOCATION: (15144)..(15365)
; OTHER INFORMATION:
; NAME/KEY: exon
; LOCATION: (16277)..(20559)
; OTHER INFORMATION:
; NAME/KEY: misc feature
; LOCATION: (20560)..(20966)
; OTHER INFORMATION: 3' regulatory region
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```
Alignment Scores:
Pred. No.:      13.9      Length:      20966
Score:          97.50      Matches:      57
Percent Similarity: 41.8%      Conservative: 24
Best Local Similarity: 29.4%      Mismatches: 72
Query Match:      9.6%      Indels:      41
DB:              3      Gaps:      10
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US-10-030-937-9 (1-193) x US-09-559-852B-1 (1-20966)

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Qy 19 ThrProAlaGlnAla-----HisLeuLysLysProSerGlnLeuSerSer 33
Db 6579 ACTCCAGCCTGGGCAAAAGAGCAAAACTCATCTCAAAAAAAAAAATAGACACA 6638
Qy 34 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeu 53
Db 6639 AGACTGGCTCCTTGCTCTTTTGGGGA-----CAGGCTCTCACTCTA 6680
Qy 54 GluProAspProIleValValProGlyAsnValThr-----LeuSerValVal 69
Db 6681 TCACCC---AGGCTGGAGTGCAGTGGTGCATCACAGCTCAGCAGCTCGATTCCCA 6737
Qy 70 GlySerThrSerValProLeuSerSer-ProLeuLysValAspLeuValLeuGluLysGl 89
Db 6738 GGCTCAAGTGACCCCTCCCATCTTAGCCTCTGAGTAGCTGGGACTACAGGTGTGCAAC 6797
Qy 89 uValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGl 109
Db 6798 CATGCCTGGCTAATTTTAAAAATTTTGTAGAGATGAGGTCTCACTA----- 6846
Qy 109 uHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCysProGluProLe 129
Db 6847 -TATTGGCTGGGGGCGCCTCAAACTCCTGGGCTCAGCAGTCTCTCCCA---CCTCAGCCTCC 6902
Qy 129 uArgThrTyrGlyLeu---ProCysHis-----CysProPheLysGluGlyTh 144
Db 6903 CAAAAGGCTGGGATTATATGCTTGCTCTTTTAAGGTGGTGTAGGGACAAACTTTCCAC 6962
Qy 144 rTyrSerLeuProLys-SerGluPheAlaValProAspLeuGluLeuProSer----- 161
Db 6963 CTACTCCTTGTCAAGCCAGTGACCGGTGGTGGTCCAGACATACGGCTAAAGTCAAGAGGTG 7022
Qy 162 -----TrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyL 179
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Db 7023 ATGTCCTTTGGAGAGATACTTTCAATCAGGAATTTCAATCAGAAATTCATCATGTGGAG 7082
Qy 179 ysArgLeu-----GlyCys 183
; :|||||
Db 7083 AGAGACTTATCCTAAAAAATGTGGTGGTGGGATGC 7120
RESULT 4
US-09-949-016-12075
; Sequence 12075, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12075
; LENGTH: 9950
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12075
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Alignment Scores:
Pred. No.:      16.6      Length:      9950
Score:          92.50      Matches:      50
Percent Similarity: 36.5%      Conservative: 30
Best Local Similarity: 22.8%      Mismatches: 78
Query Match:      9.1%      Indels:      61
DB:              3      Gaps:      11
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US-10-030-937-9 (1-193) x US-09-949-016-12075 (1-9950)

```
Qy 4 LeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuLeuAlaThrProAlaGlnAla 23
Db 4397 CTCCTTCCTGCCCCCTTGTC-----ACCTCCCT 4426
Qy 24 HisLeuLysLysProSerGlnLeu-----SerSerPheSerTrpAsp 37
Db 4427 AACTATGGTCCCCAAACACAGGTTCTCGGAGCGAGTGGCCTACGTCAATGTGTGGTC 4486
Qy 38 AsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspPro 57
Db 4487 TCACGTGTC-----GACCCCTTTATATTGTCTGGCAGCCTCACAGCTGCCATCACCC 4537
Qy 58 IlevAlVal----- 60
Db 4538 CTTCTTGCTTCTCCCGTGGCCTTCCAGCGTCATTGCCGCGCTTCCCTCTCCTTCCGGCTA 4597
Qy 61 ---ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerPro 79
Db 4598 AGCCCACTGTGGGTTTCTGAGCCTCCTCAGCTCATCA-----CCTTATTCTGCTCCT 4651
Qy 80 -----LeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLys 96
Db 4652 TAGCACTCTTATGAGCCAGACCATCTCCTGAAATCTTCTGCCTCC----- 4696
Qy 97 IleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAsp 116
Db 4697 CTTCCCTTGCAGCCCCAGCACTCCCTCC---CCACTGCAGCACCCAGCTTAACTTTGGGT 4753
Qy 117 MetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyr----- 132
Db 4754 TTTCTTTTCTCTTTCAGGTCTGGAGCCCCCAACTCCCTTGACAGTGTACGCTGGAGCAGGT 4813
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QY 133 -----GlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuProLys 149
Db 4814 TCCAGGGTGGGCTGCCCTGCCCTGCTGTGTGGGACCGGTCCTTCTCCTCACT 4873
QY 150 SerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn----- 167
Db 4874 GCCAAGTGGACTCCTCCTGGG--GGAGGCCCTGACCTCCTGGTGACTGGAGACAATGGC 4930
QY 168 -----TyrArgIleGluSerValLeuSerSerGlyLysArgLeuGlyCys 183
Db 4931 GACTTTACCTTCGACTAGAGGATGTGAGCCAGGCCAGGCTGGGACCTACACCTGC 4987
RESULT 5
US-09-949-016-14226
; Sequence 14226, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14226
; LENGTH: 9950
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14226
Alignment Scores:
Pred. No.: 16.6 Length: 9950
Score: 92.50 Matches: 50
Percent Similarity: 36.5% Conservative: 30
Best Local Similarity: 22.8% Mismatches: 78
Query Match: 9.1% Indels: 61
DB: 3 Gaps: 11
US-10-030-937-9 (1-193) x US-09-949-016-14226 (1-9950)
QY 4 LeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuAlaThrProAlaGlnAla 23
Db 4397 CTCCTTCCTGCCCTCCTGTGC-----ACCTCCCT 4426
QY 24 HisLeuLysLysProSerGlnLeu-----SerSerPheSerTrpAsp 37
Db 4427 AACTATGGGTCCCAACACAGGTTCTCGGCAGCGAGTGGCCTACGTCATTGCTGGGTC 4486
QY 38 AsnCysPheGluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspPro 57
Db 4487 TCAGTGTTC-----GACCCCTTATATTGCTGGCAGCCTCACAGTCACCC 4537
QY 58 IleValVal----- 60
Db 4538 CTTCCTGTCTTCCCGTGGCCTTCAGCGTCAATTGCCGGCTTCCCTCTCCTCCGGCTA 4597
QY 61 ---ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerPro 79
Db 4598 AGCCCACTTGCTGGGTTTCTGAGCCTCCTCAGCTCATCA-----CCTTATTGCTCCT 4651
QY 80 -----LeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLys 96
Db 4652 TAGCACTCTTATGAGCCAGACCATCTCCTGAATTCTTCTGCCTCC----- 4696
QY 97 IleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAsp 116
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Db 4697 CTTCTCTGCAGCCCGCAGCACTCCCTCC--CCACTGCAGCACCCAGCTTTAACTTTGGGT 4753
QY 117 MetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyr----- 132
Db 4754 TTTCTTTTCTCTCAGGTCTGGAGCCCCCAACTCCCTTGACAGTGTACGCTGGAGCAGGT 4813
QY 133 -----GlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuProLys 149
Db 4814 TCCAGGGTGGGCTGCCCTGCCCTGCTGTGTGGGACCGGTCCTTCTCCTCACT 4873
QY 150 SerGluPheAlaValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsn----- 167
Db 4874 GCCAAGTGGACTCCTCCTGGG--GGAGGCCCTGACCTCCTGGTGACTGGAGACAATGGC 4930
QY 168 -----TyrArgIleGluSerValLeuSerSerGlyLysArgLeuGlyCys 183
Db 4931 GACTTTACCTTCGACTAGAGGATGTGAGCCAGGCCAGGCTGGGACCTACACCTGC 4987
RESULT 6
US-09-949-016-11990
; Sequence 11990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11990
; LENGTH: 99748
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11990
Alignment Scores:
Pred. No.: 766 Length: 99748
Score: 92.00 Matches: 52
Percent Similarity: 40.2% Conservative: 22
Best Local Similarity: 28.3% Mismatches: 56
Query Match: 9.0% Indels: 54
DB: 3 Gaps: 12
US-10-030-937-9 (1-193) x US-09-949-016-11990 (1-99748)
QY 5 MetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrProAlaGlnAlaHis 24
Db 77933 CTGGCCTCACCTCCTCTGTGTTCTGGTCACTCTCTCCAGCCTCACCTCCTCTGTT-- 77989
QY 25 LeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAsp 44
Db 77990 -----CCTCGGTCACTCTCTCCAGCCTCA-----CCC 78016
QY 45 ProAlaValIleArgSerLeuThrLeuGluProAspProIleValValProGlyAsnVal 64
Db 78017 CCTCTGGTTCTCTCGCTCACTCTCTCTGGCCTCACCTCCTCTG--ATTCTGGTCACTC 78073
QY 65 -----ThrLeuSerValValGlySerThrSerVal 74
Db 78074 TCTCCAGCTTCACCCCTCCGGTTCCTCGCTCACTATCTCCAGTCTCAACCTCTCTGTT 78133
QY 75 Pro--LeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuT 94
Db 78134 CTGGCTCACTTCTCCAGCCTCACTG-----GCCTCTTCACTGT 78172
```

```
Qy 94 rpIleLysIleProCysThrAspTyr---IleGlySerCys-----ThrPheGluH 110
Db 78173 GCTGACACACACCGTGATTCTCATGAACCTGGCATGTGCCATTCCCTCTGCCAGGAAC 78232
Qy 110 isPheCysAspValLeuAspMetLeuIleProThr-----GlyGluProCysProG 127
Db 78233 ATTTCT-----CTCCCAAAGCCTCCCATGGCTCACTCTGCCCTG 78271
Qy 127 luProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerL 147
Db 78272 TACACTGTGCCCCACTGTGATGTCCTGCCAC---CCTGTCTAGGTTCTTCTAGTCTT 78328
Qy 147 euProLysSerGluPheAlaVal-----ProAspLeu-----GluLeuP 160
Db 78329 TGCCACCATCAGACACAGCACTGTGCACCCCTGAGCTGATCTCCTCGCCAGTCAGCTCC 78388
Qy 160 roSerTrp 162
Db 78389 CAGGGTGG 78396

RESULT 7
US-09-949-016-16518
; Sequence 16518, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16518
; LENGTH: 99749
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16518

Alignment Scores:
Pred. No.: 766 Length: 99749
Score: 92.00 Matches: 52
Percent Similarity: 40.2% Conservative: 22
Best Local Similarity: 28.3% Mismatches: 56
Query Match: 9.0% Indels: 54
DB: 3 Gaps: 12

US-10-030-937-9 (1-193) x US-09-949-016-16518 (1-99749)
Qy 5 MetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrProAlaGlnAlaHis 24
Db 77933 CTGGCCTCACCTCTCTGGTTCTGGTCTCACTCTCTCCAGCCTCACCTCTCTGGTT--- 77989
Qy 25 LeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPheGluGlyLysAsp 44
Db 77990 -----CCTCGGTCACTCTCTCCAGCCTCA-----CCC 78016
Qy 45 ProAlaValIleArgSerLeuThrLeuGluProAspProIleValValProGlyAsnVal 64
Db 78017 CCTCTGGTTCTCTGGCTCACTCTCTCTGGCCTCACCTCTCTG---ATTCTGGCTCACTC 78073
Qy 65 -----ThrLeuSerValValGlySerThrSerVal 74
Db 78074 TCTCCAGCTTACCCCTCCGGTTCCTCGCTCACTATCTCCAGTCTCAACCTCTCTGGTT 78133
Qy 75 Pro--LeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeu 94
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Db 78134 CCTGGCTCACTTCTCCAGCCTCACTG-----GCCTCTTCACTGT 78172
Qy 94 rpIleLysIleProCysThrAspTyr---IleGlySerCys-----ThrPheGluH 110
Db 78173 GCTGACACACACCGTGATTCTCATGAACCTGGCATGTGCCATTCCCTCTGCCAGGAAC 78232
Qy 110 isPheCysAspValLeuAspMetLeuIleProThr-----GlyGluProCysProG 127
Db 78233 ATTTCT-----CTCCCAAAGCCTCCCATGGCTCACTCTGCCCTG 78271
Qy 127 luProLeuArgThrTyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerL 147
Db 78272 TACACTGTGCCCCACTGTGATGTCCTGCCAC---CCTGTCTAGGTTCTTCTAGTCTT 78328
Qy 147 euProLysSerGluPheAlaVal-----ProAspLeu-----GluLeuP 160
Db 78329 TGCCACCATCAGACACAGCACTGTGCACCCCTGAGCTGATCTCCTCGCCAGTCAGCTCC 78388
Qy 160 roSerTrp 162
Db 78389 CAGGGTGG 78396

RESULT 8
US-09-949-002-593
; Sequence 593, Application US/09949002
; Patent No. 690016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 593
; LENGTH: 34677
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-593

Alignment Scores:
Pred. No.: 162 Length: 34677
Score: 91.50 Matches: 50
Percent Similarity: 39.8% Conservative: 24
Best Local Similarity: 26.9% Mismatches: 64
Query Match: 9.0% Indels: 48
DB: 3 Gaps: 11

US-10-030-937-9 (1-193) x US-09-949-002-593 (1-34677)
Qy 14 GlyLeuLeuLeuAlaThrProAlaGlnAlaHisLeuLysLysProSerGlnLeuSerSer 33
Db 25226 GGAATCCTCTGTCTTCTGCCCTGCAG--TGAGTGATGAGGGCTTCACTGTACTTTCT 25282
Qy 34 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArgSer----- 50
Db 25283 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 25342
Qy 51 -----LeuThrLeuGluProAspProIleValValProGlyAsnValThrLeu 66
Db 25343 TGGCACAATCTAAGTTCACTTCAACCTCCACCT-----CCCGGGTTCAAGCGATTTC 25393
Qy 67 SerValValGlySerThrSer-----ValProLeuSerSerProLeu 80
Db 25394 TCCTGCCTCAACCTCCCGAGTAGCTGGGACTATAGTTGTGTGCCA-----CCATGC 25444
Qy 81 LysValAspLeu---ValLeuGluLysGluValAlaGlyLeu-----TrpIle 95
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Db 80710 TCTCACCCGGAAAAAGCAGCCCGAGCCCTGCGAGCCTCTGCTCCATCGGACAATACCCCA 80651  
QY 39 ---CysPheGluGlyLysAspProAlaValIleArgSerLeuThr----- 52  
Db 80650 CAGTGTGGCAAGGCCTGCGTCCACTTCCACACGAGCCCTCTCACTCCCACTGCAGCC 80591  
QY 53 ---LeuGluProAspProIleVal-ValProGlyAsnValThrLeuSerValValGlySe 71  
Db 80590 TGACTCCGGCCCGCACACAGCTCTGTTCTGTGCCAAGGCCACGATG----- 80545  
QY 71 rThrSerValProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAl 91  
Db 80544 -ACTTCAGG-CTGTTCTCAAGTGGCCTTCTGTATGACACTTGGCCACCTTCACCTCTGGG 80487  
QY 91 aGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPh 111  
Db 80486 GCACGCGTGGCCCTCACTCCAGGGTGGCCACCTGCCTCTCCACCCCTCCTTCCAG----- 80432  
QY 111 eCysAspValLeuAspMetLeuIleProThrGlyGluProCys-ProGluProLeuArgT 131  
Db 80431 -----CTCCCTGGCAGGGCCCTGCTCCCCAGCCCTTGCT 80394  
QY 131 hr-----TyrGlyLeuProCysHisCysProPheLysGluGlyThrTyrSerLeuProL 149  
Db 80393 GTGGGTTCTCGGGTCCCTCCACATATCCCAAGGGACCTCACCTCCTGCCATGCCAA 80334  
QY 149 ySerGluPheAlaValProAspLeuGluLeu----- 159  
Db 80333 TGACTCCCAATTCTGATCCATCTCCAGGGTCCCCCTTCTCTGAGCCCAACACCCACAC 80274  
QY 160 -----ProSerTrpLeuThr 164  
Db 80273 CCCACACCCACGGGGTCCACCCCTGGCTGACC 80242

RESULT 11  
US-08-592-126-78  
; Sequence 78, Application US/08592126  
; Patent No. 5821091  
; GENERAL INFORMATION:  
; APPLICANT: Gregory Dolganov  
; TITLE OF INVENTION: Transcripts Encoding Immunomodulatory  
; TITLE OF INVENTION: Polypeptides  
; NUMBER OF SEQUENCES: 151  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dehlinger & Associates  
; STREET: 350 Cambridge Avenue, Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/592,126  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sholtz, Charles K.  
; REGISTRATION NUMBER: 38,615  
; REFERENCE/DOCKET NUMBER: 4600-0111  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 324-0880  
; TELEFAX: (415) 324-0960  
; INFORMATION FOR SEQ ID NO: 78:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 890 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA to mRNA

; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: G256.seq  
US-08-592-126-78  
Alignment Scores:  
Pred. No.: 0.79 Length: 890  
Score: 89.50 Matches: 53  
Percent Similarity: 39.9% Conservative: 22  
Best Local Similarity: 28.2% Mismatches: 67  
Query Match: 8.8% Indels: 47  
DB: 2 Gaps: 10  
US-10-030-937-9 (1-193) x US-08-592-126-78 (1-890)  
QY 3 SerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrProAlaGln 22  
Db 49 TCCCTTTACCAAAAGCCCTA-----CCCATGGGTGGTTCAGGCAGGCCCAAGACAG 102  
QY 23 AlaHisLeuLysLysProSerGlnLeuSerSerPheSer---TrpAspAsnCysPheGlu 41  
Db 103 GCCCGTATCAGGAGGACCCCTCTTCTCTCAGGGGCTGCCCTCTGGGATAAC----- 153  
QY 42 GlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValValPro 61  
Db 154 -----CACCCCGCCCTTCTGGGTTTCCT 177  
QY 62 GlyAsnValThrLeuSerValValGlySerThrSerVal----- 74  
Db 178 GCTTCCTAT---CTGGTGCAGTTTCTCAGGTCCCTTGTGGATTTCCTCATGGTCTGTCC 234  
QY 75 ProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrp 94  
Db 235 CCACTCACATCCCTCTCTGCAAACCTTGCCTACTG-----GGCCTGCAC 279  
QY 95 IleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPheCysAspVal 114  
Db 280 CTGGCAAATCCATGCTCAGCACAGACGGGATCAAGACCTCTCAATACAACTGT----- 333  
QY 115 LeuAspMetLeuIleProThrGlyGluProCysProGluProLeuArgThrTyrGlyLeu 134  
Db 334 -----CTCCTGCCAAT-----CCCTGCCCCAGCAGCCTGAGGCCAGTCTGAAA 377  
QY 135 ProCysHisCys---ProPheLysGlu-GlyThrTyrSerLeuProLysSerGluPheAl 153  
Db 378 CCAGGGAGTGTCTCTCCTTCTCCTCCCTTGACCTCACCCCTCAGACCACCAATTCTG 437  
QY 153 aValProAspLeu-----GluLeuProSerTrpLeuThrThrGlyAs 167  
Db 438 CCTCCTAAACCTCCCAGGCCAGCCCTCCCCAGCTCCAGTGACAGTCTCCTCAGGTAC 497  
QY 167 nTyrArgIleGluSerValLeu 174  
Db 498 CTGAGCTCAGCTCTCGGTGCTA 519  
RESULT 12  
US-09-168-595-78  
; Sequence 78, Application US/09168595  
; Patent No. 6555666  
; GENERAL INFORMATION:  
; APPLICANT: Gregory Dolganov  
; TITLE OF INVENTION: Transcripts Encoding Immunomodulatory  
; TITLE OF INVENTION: Polypeptides  
; NUMBER OF SEQUENCES: 151  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dehlinger & Associates  
; STREET: 350 Cambridge Avenue, Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:







APPLICANT: Boston, Bruce A  
APPLICANT: Kesterton, Robert A  
APPLICANT: Lu, Dongsi  
APPLICANT: Chen, Wenbiao  
TITLE OF INVENTION: Methods and Reagents for Discovering and  
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists  
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff  
STREET: 300 South Wacker Drive  
CITY: Chicago.  
STATE: IL  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/706,281A  
FILING DATE: 04-SEP-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 6100048nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 96,886  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-913-0001  
TELEFAX: 312-913-0002  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..461  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 462..1415  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 1416..1633  
US-08-706-281A-5

Alignment Scores:  
Pred. No.: 2.09 Length: 1633  
Score: 89.50 Matches: 49  
Percent Similarity: 38.3% Conservative: 21  
Best Local Similarity: 26.8% Mismatches: 62  
Query Match: 8.8% Indels: 51  
DB: 3 Gaps: 8  
US-10-030-937-9 (1-193) x US-08-706-281A-5 (1-1633)  
QY 26 LysLysProSerGlnLeu-----SerSer 33  
Db 595 AAGAGCCCGTCAGAGATGGACACCTCCAGGCACCGGGCTCCTGTCTGTTGGCAGCCAGC 536  
QY 34 PheSerTrpAspAsnCys-----PheGluGlyLysAspProAlaValIleArgSerLeu 51  
Db 535 CCCAGCTGGGGGATGGCTGTGGGGGTGGAGTTGAGGGAGCCC-----AGAAGTCTT 485  
QY 52 ThrLeuGluProAspProIleValValProGlyAsnValThrLeuSerValGlySer 71  
Db 484 CTCTGGGATCCCTGCACAGCCATAGTCTGTCTCCAGGAAGCAGGAGGAGTCTGTTGGAGGC 425  
QY 72 ThrSerValProLeuSerSerProLeuLysValAspLeuValLeuGluLysGluValAla 91

Db 424 CTCCAGGTCCCCACAGTTCCTCCCTCCAGGTGTCCTGCTTAGTTTCATGGTGTGCCAGG 365  
QY 92 GlyLeuTrpIleLysIleProCysThrAspTyrIleGlySerCysThrPheGluHisPhe 111  
Db 364 GGGCCTTGGGTGCC---CCATGC----- 344  
QY 112 CysAspValLeuAspMet-LeuIleProThrGlyGluPro-----CysPro--GluPro 128  
Db 343 :::::CTGCCTCCTTCCATCTGGGCACCCCCAGATCTGCCCTCACACCCT 299  
QY 129 LeuArgThrTyr---GlyLeuProCysHisCysProPheLysGluGlyThrTyr----- 145  
Db 298 CTCCCTGGCTGGACAGGTCAGCCAGGCATGCGCCAGCCAGTCAGACACCTCCTGGCAT 239  
QY 146 -----SerLeuProLysSerGluPheAlaValProAspLeuGlu 158  
Db 238 CAACCGCCTGGGCTCAGGGATCTCACAAACCAAGCCTGGTCTCCTCAGTCCCTCCCTGCCT 179  
QY 159 LeuProSerTrpLeu-ThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerG1 178  
Db 178 CTTCCTGGTGGCTGCTGCTCAGGTTCCAGGACATTTCCGACACCTCTGGACCGTCTCTGG 119  
QY 178 Y 178  
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Job time : 481.187 secs

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:05 ; Search time 241.893 Seconds  
(without alignments)  
333.374 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 193  
Sequence: 1 MQSLMQAPLLIALGLLALTP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

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Word size : 0

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

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4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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1	112	58.0	193	4	US-10-170-385-389
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4	75	38.9	76	5	US-10-450-763-31076
5	61	31.6	61	3	US-09-864-761-34809
6	16	8.3	131	5	US-10-450-763-31078
7	11	5.7	11	3	US-09-791-378-579
8	11	5.7	11	3	US-09-791-377-579
9	9	4.7	262	3	US-09-765-272-98
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11	9	4.7	270	3	US-09-765-272-206
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21	8	4.1	390	5	US-10-756-149-5572
22	8	4.1	466	4	US-10-437-963-119990
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24	8	4.1	589	4	US-10-424-599-245422
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					Sequence 12, Appl
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31	8	4.1	809	3	US-09-860-846-24	Sequence 24, Appl
32	8	4.1	809	3	US-09-988-384B-24	Sequence 24, Appl
33	8	4.1	809	3	US-09-836-821-24	Sequence 24, Appl
34	8	4.1	809	4	US-10-271-889-24	Sequence 24, Appl
35	8	4.1	809	4	US-10-398-605-24	Sequence 24, Appl
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41	8	4.1	3782	4	US-10-271-889-47	Sequence 47, Appl
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65	7	3.6	115	3	US-09-746-801A-47	Sequence 47, Appl
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68	7	3.6	124	4	US-10-437-963-196791	Sequence 196791,
69	7	3.6	126	3	US-09-764-891-4977	Sequence 4977, Ap
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73	7	3.6	140	6	US-11-097-143-35136	Sequence 35136, A
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76	7	3.6	152	4	US-10-767-701-53352	Sequence 53352, A
77	7	3.6	153	3	US-09-975-719-213	Sequence 213, App
78	7	3.6	153	4	US-10-128-174-29	Sequence 29, Appl
79	7	3.6	166	4	US-10-767-701-43671	Sequence 43671, A
80	7	3.6	169	4	US-10-437-963-138075	Sequence 138075,
81	7	3.6	170	3	US-09-933-767-1011	Sequence 1011, Ap
82	7	3.6	170	4	US-10-004-860-1011	Sequence 1011, Ap
83	7	3.6	170	4	US-10-023-282-1011	Sequence 1011, Ap
84	7	3.6	171	4	US-10-767-701-36938	Sequence 36938, A
85	7	3.6	173	4	US-10-767-701-55443	Sequence 55443, A
86	7	3.6	176	4	US-10-425-115-210965	Sequence 210965,
87	7	3.6	179	4	US-10-335-977-5623	Sequence 5623, Ap
88	7	3.6	191	4	US-10-264-049-2611	Sequence 2611, Ap
89	7	3.6	191	4	US-10-425-115-212541	Sequence 212541,
90	7	3.6	192	4	US-10-767-701-41702	Sequence 41702, A
91	7	3.6	194	4	US-10-425-115-210966	Sequence 210966,
92	7	3.6	200	4	US-10-156-761-13659	Sequence 13659, A
93	7	3.6	207	4	US-10-408-765A-2857	Sequence 2857, Ap
94	7	3.6	207	4	US-10-437-963-157781	Sequence 157781,
95	7	3.6	208	4	US-10-424-599-167623	Sequence 167623,
96	7	3.6	214	4	US-10-424-599-187530	Sequence 187530,
97	7	3.6	214	5	US-10-739-930-8848	Sequence 8848, Ap
98	7	3.6	220	4	US-10-437-963-192804	Sequence 192804,
99	7	3.6	226	4	US-10-369-493-20542	Sequence 20542, A
100	7	3.6	226	5	US-10-739-930-9018	Sequence 9018, Ap

101 7 3.6 235 4 US-10-425-115-292518  
102 7 3.6 245 4 US-10-425-115-261476  
103 7 3.6 251 4 US-10-437-963-121289  
104 7 3.6 252 3 US-09-989-920-204  
105 7 3.6 257 4 US-10-425-115-210972  
106 7 3.6 265 4 US-10-425-115-355266  
107 7 3.6 265 5 US-10-828-559-4  
108 7 3.6 266 5 US-10-828-559-78  
109 7 3.6 272 4 US-10-369-493-19078  
110 7 3.6 275 4 US-10-437-963-160305  
111 7 3.6 277 4 US-10-425-114-63552  
112 7 3.6 279 4 US-10-425-115-320477  
113 7 3.6 285 4 US-10-437-963-188917  
114 7 3.6 285 6 US-11-097-143-9366  
115 7 3.6 290 4 US-10-424-599-245921  
116 7 3.6 293 4 US-10-425-114-64209  
117 7 3.6 295 5 US-10-204-921-76  
118 7 3.6 296 4 US-10-437-963-183286  
119 7 3.6 297 3 US-09-815-242-5149  
120 7 3.6 297 4 US-10-282-122A-43496  
121 7 3.6 298 4 US-10-156-761-8730  
122 7 3.6 298 4 US-10-425-114-52906  
123 7 3.6 300 4 US-10-282-122A-68081  
124 7 3.6 301 4 US-10-425-114-63860  
125 7 3.6 302 4 US-10-425-114-71741  
126 7 3.6 310 4 US-10-369-493-22692  
127 7 3.6 310 4 US-10-437-963-188237  
128 7 3.6 314 5 US-10-828-559-6  
129 7 3.6 324 4 US-10-424-599-186373  
130 7 3.6 325 3 US-09-768-840-4  
131 7 3.6 325 4 US-10-316-253-99  
132 7 3.6 326 4 US-10-369-493-18306  
133 7 3.6 331 3 US-09-768-840-3  
134 7 3.6 331 3 US-09-847-809A-5  
135 7 3.6 331 3 US-09-961-403-11  
136 7 3.6 331 4 US-10-425-115-230246  
137 7 3.6 335 4 US-10-156-761-14525  
138 7 3.6 343 4 US-10-437-963-157788  
139 7 3.6 346 5 US-10-483-506-5  
140 7 3.6 347 4 US-10-437-963-157784  
141 7 3.6 354 5 US-10-480-988-14  
142 7 3.6 354 6 US-11-097-143-5145  
143 7 3.6 361 4 US-10-437-963-131260  
144 7 3.6 362 4 US-10-425-115-193147  
145 7 3.6 364 3 US-09-933-767-1008  
146 7 3.6 364 4 US-10-004-860-1008  
147 7 3.6 364 4 US-10-023-282-1008  
148 7 3.6 365 4 US-10-437-963-194344  
149 7 3.6 367 4 US-10-437-963-131913  
150 7 3.6 370 4 US-10-425-115-186575

ALIGNMENTS

RESULT 1  
US-10-170-385-389  
; Sequence 389, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 53268200100  
; CURRENT APPLICATION NUMBER: US/10/170,385

Sequence 292518,  
Sequence 261476,  
Sequence 121289,  
Sequence 204, App  
Sequence 210972,  
Sequence 355266,  
Sequence 4, Appli  
Sequence 78, Appl  
Sequence 19078, A  
Sequence 160305,  
Sequence 63552, A  
Sequence 320477,  
Sequence 188917,  
Sequence 9366, Ap  
Sequence 245921,  
Sequence 64209, A  
Sequence 76, Appl  
Sequence 183286,  
Sequence 5149, Ap  
Sequence 43496, A  
Sequence 8730, Ap  
Sequence 52906, A  
Sequence 68081, A  
Sequence 63860, A  
Sequence 71741, A  
Sequence 22692, A  
Sequence 188237,  
Sequence 6, Appli  
Sequence 186373,  
Sequence 99, Appl  
Sequence 18306, A  
Sequence 3, Appli  
Sequence 5, Appli  
Sequence 11, Appl  
Sequence 230246,  
Sequence 14525, A  
Sequence 157788,  
Sequence 5, Appli  
Sequence 157784,  
Sequence 14, Appl  
Sequence 5145, Ap  
Sequence 131260,  
Sequence 193147,  
Sequence 1008, Ap  
Sequence 1008, Ap  
Sequence 1008, Ap  
Sequence 194344,  
Sequence 131913,  
Sequence 186575,

; CURRENT FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: PCT/GB02/01662  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: PCT/GB01/05458  
; PRIOR FILING DATE: 2001-12-10  
; NUMBER OF SEQ ID NOS: 549  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 389  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-170-385-389

Query Match 58.0%; Score 112; DB 4; Length 193;  
Best Local Similarity 100.0%; Pred. No. 2e-99;  
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 41 EGKDPVIRSLTLEPDPPIVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100  
|||||  
Db 41 EGKDPVIRSLTLEPDPPIVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100  
|||||  
  
Qy 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFFKEGTYSLPKSEF 152  
|||||  
Db 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFFKEGTYSLPKSEF 152  
|||||

RESULT 2

US-10-723-860-529  
; Sequence 529, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators  
; FILE REFERENCE: 05882.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR APPLICATION NUMBER: 60/429,739  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 529  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-723-860-529

Query Match 58.0%; Score 112; DB 5; Length 193;  
Best Local Similarity 100.0%; Pred. No. 2e-99;  
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 41 EGKDPVIRSLTLEPDPPIVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100  
|||||  
Db 41 EGKDPVIRSLTLEPDPPIVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100  
|||||  
  
Qy 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFFKEGTYSLPKSEF 152  
|||||  
Db 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFFKEGTYSLPKSEF 152  
|||||

RESULT 3

US-10-450-763-31079  
; Sequence 31079, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631

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; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match      58.0%; Score 112; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 2e-99;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 EGKDPAVIRSLTLEPDPVVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
Db 41 EGKDPAVIRSLTLEPDPVVPGNVTLSVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100

QY 101 DYIGSCTFEHFCVDVLDMLIPTGCPCEPLRTYGLPCHCPFKGTYSLPKSEF 152
Db 101 DYIGSCTFEHFCVDVLDMLIPTGCPCEPLRTYGLPCHCPFKGTYSLPKSEF 152

RESULT 4
US-10-450-763-31076
; Sequence 31076, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31076
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(76)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-31076

Query Match      38.9%; Score 75; DB 5; Length 76;
Best Local Similarity 100.0%; Pred. No. 4e-64;
Matches 75; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 68 VVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIPTGCPCE 127
Db 2 VVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIPTGCPCE 61

QY 128 PLRTYGLPCHCPFFE 142
Db 62 PLRTYGLPCHCPFFE 76

RESULT 5
US-09-864-761-34809
; Sequence 34809, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
```

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; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34809
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
; OTHER INFORMATION: EST HUMAN HIT: BE182886.1, EVALUE 9.00e-34
; OTHER INFORMATION: SWISSPROT HIT: P17900, EVALUE 1.00e-34
US-09-864-761-34809

Query Match      31.6%; Score 61; DB 3; Length 61;
Best Local Similarity 100.0%; Pred. No. 1e-50;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 82 VDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIPTGCPCEPLRTYGLPCHCPFK 141
Db 1 VDLVLEKEVAGLWIKIPCTDYIGSCTFEHFCVDVLDMLIPTGCPCEPLRTYGLPCHCPFK 60
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QY 142 E 142  
Db 61 E 61

RESULT 6  
US-10-450-763-31078  
; Sequence 31078, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 31078  
; LENGTH: 131  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-31078

Query Match 8.3%; Score 16; DB 5; Length 131;  
Best Local Similarity 100.0%; Pred. No. 5e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGLWIKIPCTD 101  
Db 30 LEKEVAGLWIKIPCTD 45

RESULT 7  
US-09-791-378-579  
; Sequence 579, Application US/09791378  
; Patent No. US20020142303A1  
; GENERAL INFORMATION:  
; APPLICANT: Parekh, Rajesh  
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF  
; FILE REFERENCE: 9195-061-999  
; CURRENT APPLICATION NUMBER: US/09/791,378  
; CURRENT FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 09/750,395  
; PRIOR FILING DATE: 2000-12-28  
; NUMBER OF SEQ ID NOS: 677  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 579  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-378-579

Query Match 5.7%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.0035;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 131 TYGLPCHCPFK 141  
Db 1 TYGLPCHCPFK 11

RESULT 8  
US-09-791-377-579  
; Sequence 579, Application US/09791377  
; Publication No. US20040110938A1

; GENERAL INFORMATION:  
; APPLICANT: Parekh, Rajesh  
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF  
; TITLE OF INVENTION: SCHIZOPHRENIA  
; FILE REFERENCE: 9195-060-999  
; CURRENT APPLICATION NUMBER: US/09/791,377  
; CURRENT FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 09/750,395  
; PRIOR FILING DATE: 2000-12-28  
; NUMBER OF SEQ ID NOS: 677  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 579  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-377-579

Query Match 5.7%; Score 11; DB 3; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.0035;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 131 TYGLPCHCPFK 141  
Db 1 TYGLPCHCPFK 11

RESULT 9  
US-09-765-272-98  
; Sequence 98, Application US/09765272  
; Patent No. US20020061545A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 452  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/765,272  
; FILING DATE: 22-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brookes, A. Anders  
; REGISTRATION NUMBER: 36,373  
; REFERENCE/DOCKET NUMBER: PB340P2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 98:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 262 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:

US-09-765-272-98  
Query Match 4.7%; Score 9; DB 3; Length 262;  
Best Local Similarity 100.0%; Pred. No. 5.3;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



QY 66 LSVVGSTSV 74  
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Db 155 LSVVGSTSV 163

## RESULT 10

US-11-106-649-98  
; Sequence 98, Application US/11106649  
; Publication No. US20050181439A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; FILE REFERENCE: PB340P2C3D1  
; CURRENT APPLICATION NUMBER: US/11/106,649  
; CURRENT FILING DATE: 2005-04-15  
; PRIOR APPLICATION NUMBER: US 09/765,271  
; PRIOR FILING DATE: 2001-01-22  
; PRIOR APPLICATION NUMBER: US 09/536,784  
; PRIOR FILING DATE: 2000-03-28  
; PRIOR APPLICATION NUMBER: US 08/961,083  
; PRIOR FILING DATE: 1997-10-30  
; PRIOR APPLICATION NUMBER: US 60/029,960  
; PRIOR FILING DATE: 1996-10-31  
; NUMBER OF SEQ ID NOS: 454  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 98  
; LENGTH: 262  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-11-106-649-98

Query Match 4.7%; Score 9; DB 6; Length 262;  
Best Local Similarity 100.0%; Pred. No. 5.3;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGSTSV 74  
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Db 155 LSVVGSTSV 163

## RESULT 11

US-09-765-272-206  
; Sequence 206, Application US/09765272  
; Patent No. US20020061545A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 452  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/765,272  
; FILING DATE: 22-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brookes, A. Anders  
; REGISTRATION NUMBER: 36,373  
; REFERENCE/DOCKET NUMBER: PB340P2  
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 206:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:  
US-09-765-272-206

Query Match 4.7%; Score 9; DB 3; Length 270;  
Best Local Similarity 100.0%; Pred. No. 5.4;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGSTSV 74  
|||||  
Db 163 LSVVGSTSV 171

## RESULT 12

US-11-106-649-206  
; Sequence 206, Application US/11106649  
; Publication No. US20050181439A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; FILE REFERENCE: PB340P2C3D1  
; CURRENT APPLICATION NUMBER: US/11/106,649  
; CURRENT FILING DATE: 2005-04-15  
; PRIOR APPLICATION NUMBER: US 09/765,271  
; PRIOR FILING DATE: 2001-01-22  
; PRIOR APPLICATION NUMBER: US 09/536,784  
; PRIOR FILING DATE: 2000-03-28  
; PRIOR APPLICATION NUMBER: US 08/961,083  
; PRIOR FILING DATE: 1997-10-30  
; PRIOR APPLICATION NUMBER: US 60/029,960  
; PRIOR FILING DATE: 1996-10-31  
; NUMBER OF SEQ ID NOS: 454  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 206  
; LENGTH: 270  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-11-106-649-206

Query Match 4.7%; Score 9; DB 6; Length 270;  
Best Local Similarity 100.0%; Pred. No. 5.4;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGSTSV 74  
|||||  
Db 163 LSVVGSTSV 171

## RESULT 13

US-10-472-928-4348  
; Sequence 4348, Application US/10472928  
; Publication No. US20050020813A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON Spa  
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE: P026926WO  
; CURRENT APPLICATION NUMBER: US/10/472,928  
; CURRENT FILING DATE: 2003-09-26  
; PRIOR APPLICATION NUMBER: GB-0107658.7  
; PRIOR FILING DATE: 2001-03-27  
; NUMBER OF SEQ ID NOS: 4979  
; SOFTWARE: Seqwin99, version 1.03  
; SEQ ID NO 4348  
; LENGTH: 291

```

; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; OTHER INFORMATION: phosphate ABC transporter, phosphate-binding protein (pstS)
; OTHER INFORMATION: Cellular location: lipoprotein
; OTHER INFORMATION: Similar to strain R6 sequence 15903936 (e-160)
US-10-472-928-4348

Query Match      4.7%; Score 9; DB 5; Length 291;
Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
Db      184 LSVVGSTSV 192

RESULT 14
US-10-617-320-3318
; Sequence 3318, Application US/10617320
; Publication No. US20050136404A1
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,320
; FILING DATE: 10-Jul-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3318:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 328 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...328
; SEQUENCE DESCRIPTION: SEQ ID NO: 3318:
US-10-617-320-3318

Query Match      4.7%; Score 9; DB 5; Length 328;
Best Local Similarity 100.0%; Pred. No. 6.5;
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```

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
Db      221 LSVVGSTSV 229

RESULT 15
US-09-791-378-578
; Sequence 578, Application US/09791378
; Patent No. US20020142303A1
; GENERAL INFORMATION:
; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF SCHIZOPHRENIA
; FILE REFERENCE: 9195-061-999
; CURRENT APPLICATION NUMBER: US/09/791,378
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/750,395
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 578
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-791-378-578

Query Match      4.1%; Score 8; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      89 EVAGLWIK 96
Db      1 EVAGLWIK 8

RESULT 16
US-09-791-377-578
; Sequence 578, Application US/09791377
; Publication No. US20040110938A1
; GENERAL INFORMATION:
; APPLICANT: Parekh, Rajesh
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF SCHIZOPHRENIA
; FILE REFERENCE: 9195-060-999
; CURRENT APPLICATION NUMBER: US/09/791,377
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 09/750,395
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 677
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 578
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-791-377-578

Query Match      4.1%; Score 8; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      89 EVAGLWIK 96
Db      1 EVAGLWIK 8

RESULT 17
US-10-424-599-228216
; Sequence 228216, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
```

; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 228216  
; LENGTH: 100  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_48107C.1.pap  
US-10-424-599-228216

Query Match 4.1%; Score 8; DB 4; Length 100;  
Best Local Similarity 100.0%; Pred. No. 20;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 STSVPLSS 78  
Db 10 STSVPLSS 17

RESULT 18  
US-10-425-115-305353  
; Sequence 305353, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 305353  
; LENGTH: 110  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_41551C.1.pap  
US-10-425-115-305353

Query Match 4.1%; Score 8; DB 4; Length 110;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 IRSLTLEP 55  
Db 19 IRSLTLEP 26

RESULT 19  
US-09-804-014A-37  
; Sequence 37, Application US/09804014A  
; Publication No. US20030064489A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Li  
; APPLICANT: Padigar, Muralidhara  
; APPLICANT: Vernet, Corine  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Shinkets, Richard  
; APPLICANT: Spaderna, Steven  
; APPLICANT: Majumder, Kumud  
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same  
; FILE REFERENCE: 15966-721 US  
; CURRENT APPLICATION NUMBER: US/09/804,014A

; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/188,316  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: 60/188,277  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: 60/189,139  
; PRIOR FILING DATE: 2000-03-14  
; PRIOR APPLICATION NUMBER: 60/189,140  
; PRIOR FILING DATE: 2000-03-14  
; PRIOR APPLICATION NUMBER: 60/190,401  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: 60/190,231  
; PRIOR FILING DATE: 2000-03-17  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 37  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Bos taurus  
US-09-804-014A-37

Query Match 4.1%; Score 8; DB 3; Length 170;  
Best Local Similarity 100.0%; Pred. No. 33;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGL 93  
Db 107 LEKEVAGL 114

RESULT 20  
US-10-739-930-5722  
; Sequence 5722, Application US/10739930  
; Publication No. US20040216190A1  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH  
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT  
; FILE REFERENCE: 38-21(53377)B  
; CURRENT APPLICATION NUMBER: US/10/739,930  
; CURRENT FILING DATE: 2003-12-18  
; NUMBER OF SEQ ID NOS: 11088  
; SEQ ID NO 5722  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; OTHER INFORMATION: Clone ID: ARATH-23APR03-C126388\_1.p  
US-10-739-930-5722

Query Match 4.1%; Score 8; DB 5; Length 323;  
Best Local Similarity 100.0%; Pred. No. 59;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGL 93  
Db 149 LEKEVAGL 156

RESULT 21  
US-10-756-149-5572  
; Sequence 5572, Application US/10756149  
; Publication No. US20050181375A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND  
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER  
; FILE REFERENCE: file  
; CURRENT APPLICATION NUMBER: US/10/756,149  
; CURRENT FILING DATE: 2004-01-12  
; NUMBER OF SEQ ID NOS: 5818  
; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 5572  
; LENGTH: 390  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-756-149-5572

Query Match 4.1%; Score 8; DB 5; Length 390;  
Best Local Similarity 100.0%; Pred. No. 69;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGL 93  
| | | | |  
Db 277 LEKEVAGL 284

RESULT 22

US-10-437-963-119990  
; Sequence 119990, Application US/10437963  
; Publication No. US20040123343A1

; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei

; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad

; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963

; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966

; SEQ ID NO 119990  
; LENGTH: 466

; TYPE: PRT  
; ORGANISM: Oryza sativa

; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_23152C.1.pep

US-10-437-963-119990

Query Match 4.1%; Score 8; DB 4; Length 466;  
Best Local Similarity 100.0%; Pred. No. 82;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 LEKEVAGL 93  
| | | | |  
Db 337 LEKEVAGL 344

RESULT 23

US-10-324-967-36  
; Sequence 36, Application US/10324967  
; Publication No. US20040122212A1

; GENERAL INFORMATION:  
; APPLICANT: Cosson, Pierre

; APPLICANT: Kohler, Thilo  
; APPLICANT: Benghezal, Mohammed

; APPLICANT: Marchetti, Anna  
; APPLICANT: van Delden, Christian

; TITLE OF INVENTION: VIRULENCE GENES, PROTEINS, AND THEIR USE  
; FILE REFERENCE: 25421-502

; CURRENT APPLICATION NUMBER: US/10/324,967  
; CURRENT FILING DATE: 2002-12-20

; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 36  
; LENGTH: 574

; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa

US-10-324-967-36

Query Match 4.1%; Score 8; DB 4; Length 574;  
Best Local Similarity 100.0%; Pred. No. 99;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IALGLLLA 18  
| | | | |  
Db 154 IALGLLLA 161

RESULT 24

US-10-424-599-245422  
; Sequence 245422, Application US/10424599  
; Publication No. US20040031072A1

; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J

; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua

; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599

; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 245422  
; LENGTH: 589

; TYPE: PRT  
; ORGANISM: Glycine max

; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_63647C.1.pep

US-10-424-599-245422

Query Match 4.1%; Score 8; DB 4; Length 589;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 45 PAVIRSLT 52  
| | | | |  
Db 321 PAVIRSLT 328

RESULT 25

US-09-793-708-12  
; Sequence 12, Application US/09793708  
; Publication No. US20030104597A1

; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, Gary

; APPLICANT: BETLACH, Melanie C.  
; APPLICANT: BETLACH, Mary C.

; APPLICANT: MCDANIEL, Robert  
; APPLICANT: TANG, Li

; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE  
; FILE REFERENCE: 300622002121

; CURRENT APPLICATION NUMBER: US/09/793,708  
; CURRENT FILING DATE: 2001-02-22

; PRIOR APPLICATION NUMBER: US 09/657,440  
; PRIOR FILING DATE: 2000-09-07

; PRIOR APPLICATION NUMBER: US 09/320,878  
; PRIOR FILING DATE: 1999-05-27

; PRIOR APPLICATION NUMBER: US 09/141,908  
; PRIOR FILING DATE: 1998-08-28

; PRIOR APPLICATION NUMBER: US 09/073,538  
; PRIOR FILING DATE: 1998-05-06

; PRIOR APPLICATION NUMBER: US 08/846,247  
; PRIOR FILING DATE: 1997-04-30

; PRIOR APPLICATION NUMBER: US 60/134,990  
; PRIOR FILING DATE: 1999-05-20

; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 12  
; LENGTH: 769

; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae

US-10-324-967-36

US-09-793-708-12

Query Match 4.1%; Score 8; DB 3; Length 769;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 285 GLLLATPA 292

RESULT 26

US-10-201-365-10  
; Sequence 10, Application US/10201365  
; Publication No. US20030148469A1  
; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, Gary  
; APPLICANT: BETLACH, Melanie C.  
; APPLICANT: BETLACH, Mary  
; APPLICANT: MCDANIEL, Robert  
; APPLICANT: TANG, Li  
; TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES PRODUCED USING A MODULAR  
; FILE REFERENCE: 300622002103  
; CURRENT APPLICATION NUMBER: US/10/201,365  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: US 09/141,908  
; PRIOR FILING DATE: 1998-08-28  
; PRIOR APPLICATION NUMBER: US 09/073,538  
; PRIOR FILING DATE: 1998-05-06  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 769  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-10-201-365-10

Query Match 4.1%; Score 8; DB 4; Length 769;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 285 GLLLATPA 292

RESULT 27

US-10-160-539-12  
; Sequence 12, Application US/10160539  
; Publication No. US20030162262A1  
; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, Gary  
; APPLICANT: BETLACH, Melanie C.  
; APPLICANT: BETLACH, Mary C.  
; APPLICANT: MCDANIEL, Robert  
; APPLICANT: TANG, Li  
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE  
; FILE REFERENCE: 300622002120  
; CURRENT APPLICATION NUMBER: US/10/160,539  
; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: US/09/657,440  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: 09/320,878  
; PRIOR FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: CIP OF 09/141,908  
; PRIOR FILING DATE: 1998-08-28  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 769  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae

US-10-160-539-12

Query Match 4.1%; Score 8; DB 4; Length 769;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 285 GLLLATPA 292

RESULT 28

US-10-468-828-12  
; Sequence 12, Application US/10468828  
; Publication No. US20050026244A1  
; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, Gary  
; APPLICANT: BETLACH, Melanie C.  
; APPLICANT: BETLACH, Mary  
; APPLICANT: MCDANIEL, Robert  
; APPLICANT: TANG, Li  
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE  
; FILE REFERENCE: 300622002104  
; CURRENT APPLICATION NUMBER: US/10/468,828  
; CURRENT FILING DATE: 2003-08-22  
; PRIOR APPLICATION NUMBER: PCT/US02/05642  
; PRIOR FILING DATE: 2002-02-22  
; PRIOR APPLICATION NUMBER: US 09/793,708  
; PRIOR FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US 09/657,440  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: US 09/320,878  
; PRIOR FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: US 09/141,908  
; PRIOR FILING DATE: 1998-08-28  
; PRIOR APPLICATION NUMBER: US 60/087,080  
; PRIOR FILING DATE: 1998-05-28  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 769  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-10-468-828-12

Query Match 4.1%; Score 8; DB 5; Length 769;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 285 GLLLATPA 292

RESULT 29

US-10-846-335-12  
; Sequence 12, Application US/10846335  
; Publication No. US20050233431A1  
; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, Gary  
; APPLICANT: BETLACH, Melanie C.  
; APPLICANT: BETLACH, Mary C.  
; APPLICANT: MCDANIEL, Robert  
; APPLICANT: TANG, Li  
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE  
; FILE REFERENCE: 300622002121  
; CURRENT APPLICATION NUMBER: US/10/846,335  
; CURRENT FILING DATE: 2004-05-14  
; PRIOR APPLICATION NUMBER: US/09/793,708  
; PRIOR FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US 09/657,440  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: US 09/320,878

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; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US 09/141,908
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: US 09/073,538
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: US 08/846,247
; PRIOR FILING DATE: 1997-04-30
; PRIOR APPLICATION NUMBER: US 60/134,990
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-10-846-335-12
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Query Match      4.1%; Score 8; DB 5; Length 769;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
      |||||||
Db      285 GLLLATPA 292
```

```
RESULT 30
US-09-861-289-24
; Sequence 24, Application US/09861289
; Patent No. US20020110897A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/861,289
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-861-289-24
```

```
Query Match      4.1%; Score 8; DB 3; Length 809;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
      |||||||
Db      344 GLLLATPA 351
```

```
RESULT 31
US-09-860-846-24
; Sequence 24, Application US/09860846
; Patent No. US20020164742A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/860,846
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
```

```
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-860-846-24
```

```
Query Match      4.1%; Score 8; DB 3; Length 809;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
      |||||||
Db      344 GLLLATPA 351
```

```
RESULT 32
US-09-988-384B-24
; Sequence 24, Application US/09988384B
; Publication No. US20030073824A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.536US1
; CURRENT APPLICATION NUMBER: US/09/988,384B
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: PCT/US99/14398
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 53
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-988-384B-24
```

```
Query Match      4.1%; Score 8; DB 3; Length 809;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
      |||||||
Db      344 GLLLATPA 351
```

```
RESULT 33
US-09-836-821-24
; Sequence 24, Application US/09836821
; Publication No. US20030087405A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600.438US1
; CURRENT APPLICATION NUMBER: US/09/836,821
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: 09/105,537
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 809
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-836-821-24
```



Query Match 4.1%; Score 8; DB 3; Length 809;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 344 GLLLATPA 351

RESULT 34  
US-10-271-889-24  
; Sequence 24, Application US/10271889  
; Publication No. US20030194784A1  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA Encoding Methymycin and Pikromycin  
; FILE REFERENCE: 600.582US1  
; CURRENT APPLICATION NUMBER: US/10/271,889  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 09/861,289  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 09/860,846  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 09/836,821  
; PRIOR FILING DATE: 2001-04-17  
; PRIOR APPLICATION NUMBER: US 09/105,537  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 809  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-10-271-889-24

Query Match 4.1%; Score 8; DB 4; Length 809;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 344 GLLLATPA 351

RESULT 35  
US-10-398-605-24  
; Sequence 24, Application US/10398605  
; Publication No. US20040161839A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, H.  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Zhao, L.  
; APPLICANT: Regents of the University of Minnesota  
; TITLE OF INVENTION: Method to alter sugar moieties  
; FILE REFERENCE: 600.475US1  
; CURRENT APPLICATION NUMBER: US/10/398,605  
; CURRENT FILING DATE: 2003-04-04  
; PRIOR APPLICATION NUMBER: PCT/US01/31255  
; PRIOR FILING DATE: 2001-10-05  
; PRIOR APPLICATION NUMBER: US 60/238,185  
; PRIOR FILING DATE: 2000-10-05  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 809  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-10-398-605-24

Query Match 4.1%; Score 8; DB 4; Length 809;

Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||  
Db 344 GLLLATPA 351

RESULT 36  
US-10-437-963-186215  
; Sequence 186215, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 186215  
; LENGTH: 1308  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_83034C.1.pep  
US-10-437-963-186215

Query Match 4.1%; Score 8; DB 4; Length 1308;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 170 IESVLSSS 177  
|||||  
Db 493 IESVLSSS 500

RESULT 37  
US-09-861-289-4  
; Sequence 4, Application US/09861289  
; Patent No. US20020110897A1  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin  
; FILE REFERENCE: 600.438US1  
; CURRENT APPLICATION NUMBER: US/09/861,289  
; CURRENT FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: 09/105,537  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 3782  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-09-861-289-4

Query Match 4.1%; Score 8; DB 3; Length 3782;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||

Db 1409 GLLLATPA 1416

RESULT 38

US-09-860-846-4

; Sequence 4, Application US/09860846  
; Patent No. US20020164742A1  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin  
; FILE REFERENCE: 600.438US1  
; CURRENT APPLICATION NUMBER: US/09/860,846  
; CURRENT FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: 09/105,537  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 3782  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-09-860-846-4

Query Match

Best Local Similarity 4.1%; Score 8; DB 3; Length 3782;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21

Db 1409 GLLLATPA 1416

RESULT 39

US-09-988-384B-4

; Sequence 4, Application US/09988384B  
; Publication No. US20030073824A1  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin  
; FILE REFERENCE: 600.536US1  
; CURRENT APPLICATION NUMBER: US/09/988,384B  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: PCT/US99/14398  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: US 09/105,537  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 53  
; SEQ ID NO 4  
; LENGTH: 3782  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-09-988-384B-4

Query Match

Best Local Similarity 4.1%; Score 8; DB 3; Length 3782;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21

Db 1409 GLLLATPA 1416

RESULT 40

US-09-836-821-4

; Sequence 4, Application US/09836821  
; Publication No. US20030087405A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, H.  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Zhao, L.

; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin  
; FILE REFERENCE: 600.438US1  
; CURRENT APPLICATION NUMBER: US/09/836,821  
; CURRENT FILING DATE: 2001-04-17  
; PRIOR APPLICATION NUMBER: 09/105,537  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 3782  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-09-836-821-4

Query Match

Best Local Similarity 4.1%; Score 8; DB 3; Length 3782;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21

Db 1409 GLLLATPA 1416

RESULT 41

US-10-271-889-47

; Sequence 47, Application US/10271889  
; Publication No. US20030194784A1  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA Encoding Methymycin and Pikromycin  
; FILE REFERENCE: 600.582US1  
; CURRENT APPLICATION NUMBER: US/10/271,889  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 09/861,289  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 09/860,846  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 09/836,821  
; PRIOR FILING DATE: 2001-04-17  
; PRIOR APPLICATION NUMBER: US 09/105,537  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 47  
; LENGTH: 3782  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-10-271-889-47

Query Match

Best Local Similarity 4.1%; Score 8; DB 4; Length 3782;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21

Db 1409 GLLLATPA 1416

RESULT 42

US-10-398-605-4

; Sequence 4, Application US/10398605  
; Publication No. US20040161839A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, H.  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Zhao, L.

; APPLICANT: Regents of the University of Minnesota  
; TITLE OF INVENTION: Method to alter sugar moieties  
; FILE REFERENCE: 600.475US1  
; CURRENT APPLICATION NUMBER: US/10/398,605  
; CURRENT FILING DATE: 2003-04-04  
; PRIOR APPLICATION NUMBER: PCT/US01/31255  
; PRIOR FILING DATE: 2001-10-05  
; PRIOR APPLICATION NUMBER: US 60/238,185  
; PRIOR FILING DATE: 2000-10-05  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 3782  
; TYPE: PRT  
; ORGANISM: Streptomyces venezuelae  
US-10-398-605-4

Query Match 4.1%; Score 8; DB 4; Length 3782;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATPA 21  
|||||||  
Db 1409 GLLLATPA 1416

RESULT 43  
US-10-828-559-3  
; Sequence 3, Application US/10828559  
; Publication No. US20050084913A1  
; GENERAL INFORMATION:  
; APPLICANT: Punnonen, Juha  
; APPLICANT: Apt, Doris  
; APPLICANT: Neighbors, Margaret  
; APPLICANT: Leong, Steven R.  
; TITLE OF INVENTION: NOVEL TUMOR-ASSOCIATED ANTIGENS  
; FILE REFERENCE: 0334.210US  
; CURRENT APPLICATION NUMBER: US/10/828,559  
; CURRENT FILING DATE: 2004-04-19  
; PRIOR APPLICATION NUMBER: US 60/464,780  
; PRIOR FILING DATE: 2003-04-22  
; NUMBER OF SEQ ID NOS: 95  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: TAG-25 fragment comprising signal peptide (SP)  
US-10-828-559-3

Query Match 3.6%; Score 7; DB 5; Length 23;  
Best Local Similarity 100.0%; Pred. No. 50;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18  
|||||||  
Db 8 ALGLLLA 14

RESULT 44  
US-09-833-245-1222  
; Sequence 1222, Application US/09833245  
; Publication No. US20040010134A1  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; TITLE OF INVENTION: Albumin Fusion Proteins  
; FILE REFERENCE: PF546PCT  
; CURRENT APPLICATION NUMBER: US/09/833,245  
; CURRENT FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 60/229, 358  
; PRIOR FILING DATE: 2000-04-12  
; PRIOR APPLICATION NUMBER: 60/256, 931

; PRIOR FILING DATE: 2000-12-21  
; PRIOR APPLICATION NUMBER: 60/199, 384  
; PRIOR FILING DATE: 2000-04-25  
; NUMBER OF SEQ ID NOS: 2267  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1222  
; LENGTH: 39  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-833-245-1222

Query Match 3.6%; Score 7; DB 3; Length 39;  
Best Local Similarity 100.0%; Pred. No. 80;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19  
|||||||  
Db 9 LGLLLAT 15

RESULT 45  
US-09-833-245-1224  
; Sequence 1224, Application US/09833245  
; Publication No. US20040010134A1  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; TITLE OF INVENTION: Albumin Fusion Proteins  
; FILE REFERENCE: PF546PCT  
; CURRENT APPLICATION NUMBER: US/09/833,245  
; CURRENT FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 60/229, 358  
; PRIOR FILING DATE: 2000-04-12  
; PRIOR APPLICATION NUMBER: 60/256, 931  
; PRIOR FILING DATE: 2000-12-21  
; PRIOR APPLICATION NUMBER: 60/199, 384  
; PRIOR FILING DATE: 2000-04-25  
; NUMBER OF SEQ ID NOS: 2267  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1224  
; LENGTH: 39  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-833-245-1224

Query Match 3.6%; Score 7; DB 3; Length 39;  
Best Local Similarity 100.0%; Pred. No. 80;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19  
|||||||  
Db 9 LGLLLAT 15

RESULT 46  
US-10-424-599-268608  
; Sequence 268608, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 268608  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:

```
; OTHER INFORMATION: Clone ID: PAT_MRT3847_84576C.1.pep
US-10-424-599-268608

Query Match          3.6%; Score 7; DB 4; Length 53;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      102 YIGSCTF 108
Db      17 YIGSCTF 23

RESULT 47
US-10-425-115-220040
; Sequence 220040, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 220040
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(54)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_132263C.1.pep
US-10-425-115-220040

Query Match          3.6%; Score 7; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      153 AVPDLEL 159
Db      10 AVPDLEL 16

RESULT 48
US-10-424-599-208921
; Sequence 208921, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 208921
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_30684C.1.pep
US-10-424-599-208921

Query Match          3.6%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
```

```
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 LIALGLL 16
Db      5 LIALGLL 11

RESULT 49
US-10-424-599-241819
; Sequence 241819, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 241819
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_6038C.1.pep
US-10-424-599-241819

Query Match          3.6%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      185 KIAASLK 191
Db      33 KIAASLK 39

RESULT 50
US-10-106-698-6961
; Sequence 6961, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6961
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (10)
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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (12)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (13)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (18)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-106-698-6961

Query Match 3.6%; Score 7; DB 4; Length 73;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 RSLTLEP 55  
|||||||  
Db 53 RSLTLEP 59

RESULT 51  
US-10-501-282-3072  
; Sequence 3072, Application US/10501282  
; Publication No. US20050203280A1  
; GENERAL INFORMATION:  
; APPLICANT: MCMICHAEL, JOHN CALHOUN  
; APPLICANT: ZAGURSKY, ROBERT JOHN  
; APPLICANT: RUSSELL, DAVID PARRISH  
; APPLICANT: FLETCHER, LEAH DIANE  
; TITLE OF INVENTION: ALLOIOCOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING  
; TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF  
; FILE REFERENCE: AM100780 L2  
; CURRENT APPLICATION NUMBER: US/10/501,282  
; CURRENT FILING DATE: 2004-07-09  
; PRIOR APPLICATION NUMBER: 60/333,777  
; PRIOR FILING DATE: 2001-11-29  
; PRIOR APPLICATION NUMBER: 60/426,742  
; PRIOR FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: PCT/US02/36123  
; PRIOR FILING DATE: 2002-11-25  
; NUMBER OF SEQ ID NOS: 6653  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3072  
; LENGTH: 78  
; TYPE: PRT  
; ORGANISM: Alloioococcus otitidis  
US-10-501-282-3072

Query Match 3.6%; Score 7; DB 5; Length 78;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 160 PSQLTTG 166  
|||||||  
Db 67 PSQLTTG 73

RESULT 52  
US-10-425-114-61932  
; Sequence 61932, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 61932  
; LENGTH: 83  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: UC-ZMFLB73121H02\_FLI.pep  
US-10-425-114-61932

Query Match 3.6%; Score 7; DB 4; Length 83;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 76 LSSPLKV 82  
|||||||  
Db 57 LSSPLKV 63

RESULT 53  
US-10-425-115-202828  
; Sequence 202828, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 202828  
; LENGTH: 84  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_116568C.1.pep  
US-10-425-115-202828

Query Match 3.6%; Score 7; DB 4; Length 84;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 EKEVAGL 93  
|||||||  
Db 70 EKEVAGL 76

RESULT 54  
US-10-029-386-31246  
; Sequence 31246, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO  
; FILE REFERENCE: AEOMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 31246  
; LENGTH: 87  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AC010238.4  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

;  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.87  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2  
US-10-029-386-31246

Query Match 3.6%; Score 7; DB 4; Length 87;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 74 VPLSSPL 80  
|||||||  
Db 28 VPLSSPL 34

RESULT 55  
US-10-450-763-56152  
; Sequence 56152, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 56152  
; LENGTH: 88  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-450-763-56152

Query Match 3.6%; Score 7; DB 5; Length 88;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 SGKRLGC 183  
|||||||  
Db 38 SGKRLGC 44

RESULT 56  
US-10-437-963-143338  
; Sequence 14338, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 143338  
; LENGTH: 89  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:

;  
; NAME/KEY: unsure  
; LOCATION: (1)..(89)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_44256C.1.pep  
US-10-437-963-143338

Query Match 3.6%; Score 7; DB 4; Length 89;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 PLLIALG 14  
|||||||  
Db 32 PLLIALG 38

RESULT 57  
US-10-437-963-152413  
; Sequence 152413, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 152413  
; LENGTH: 92  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_52467C.1.pep  
US-10-437-963-152413

Query Match 3.6%; Score 7; DB 4; Length 92;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 AVIRSLT 52  
|||||||  
Db 68 AVIRSLT 74

RESULT 58  
US-10-425-115-249956  
; Sequence 249956, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 249956  
; LENGTH: 93  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_159543C.1.pep



US-10-425-115-249956

Query Match 3.6%; Score 7; DB 4; Length 93;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 172 SVLSSSG 178  
|||||  
Db 12 SVLSSSG 18

RESULT 59

US-09-939-980-401  
; Sequence 401, Application US/09939980  
; Patent No. US20020082234A1  
; GENERAL INFORMATION:  
; APPLICANT: Black, Michael  
; Burnham, Martin  
; Hodgson, John  
; Knowles, David  
; Lonetto, Michael  
; Nicholas, Richard  
; Pratt, Julie  
; Reichard, Richard  
; Rosenberg, Martin  
; Ward, Judith  
; TITLE OF INVENTION: No. US20020082234A1 Polypeptides and Their Uses  
; NUMBER OF SEQUENCES: 534  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SmithKline Beecham Corporation  
; STREET: 709 Swedeland Road  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-0939  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/939,980  
; FILING DATE: 27-Aug-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/936,165  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gimmi, Edward R  
; REGISTRATION NUMBER: 38,891  
; REFERENCE/DOCKET NUMBER: P50549  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-270-4478  
; TELEFAX: 610-270-5090  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 401:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 96 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: Protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 401:

US-09-939-980-401

Query Match 3.6%; Score 7; DB 3; Length 96;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 85 VLEKEVA 91  
|||||  
Db 77 VLEKEVA 83

RESULT 60  
US-10-424-599-269126  
; Sequence 269126, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 269126  
; LENGTH: 97  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(97)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_85041C.1.pap  
US-10-424-599-269126

Query Match 3.6%; Score 7; DB 4; Length 97;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 DYIGSCT 107  
|||||  
Db 46 DYIGSCT 52

RESULT 61

US-09-764-891-3129  
; Sequence 3129, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3129  
; LENGTH: 100  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-891-3129

Query Match 3.6%; Score 7; DB 3; Length 100;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 RSLTLEP 55  
|||||  
Db 37 RSLTLEP 43

RESULT 62

US-10-205-428-311  
; Sequence 311, Application US/10205428  
; Publication No. US20030108907A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

```

; FILE REFERENCE: PAll7C1
; CURRENT APPLICATION NUMBER: US/10/205,428
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1019
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 311
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-205-428-311

Query Match          3.6%; Score 7; DB 4; Length 100;
Best Local Similarity 100.0%; Pred.No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      49 RSLTLEP 55
Db      37 RSLTLEP 43

RESULT 63
US-10-425-115-302994
; Sequence 302994, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 302994
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_39406C.1.pep
; US-10-425-115-302994

Query Match          3.6%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred.No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      73 SVPLSSP 79
Db      80 SVPLSSP 86
```

```

RESULT 64
US-10-704-363-9
; Sequence 9, Application US/10704363
; Publication No. US20040249145A1
; GENERAL INFORMATION:
; APPLICANT: Stark, Karen A.
; APPLICANT: Weaver, Alix
; APPLICANT: Hoffmann, Heidi M.
; APPLICANT: Krauss, Raul
; APPLICANT: Saini, Kulvinder S.
; APPLICANT: Valenzuela, Dario B.
; TITLE OF INVENTION: Cell Adhesion-Mediating Proteins and
; TITLE OF INVENTION: Polynucleotides Encoding Them
; FILE REFERENCE: 1966.1014003
; CURRENT APPLICATION NUMBER: US/10/704,363
; CURRENT FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: PCT/US02/14457
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/289,179
; PRIOR FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: 60/315,736
; PRIOR FILING DATE: 2001-08-29
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-10-704-363-9

Query Match          3.6%; Score 7; DB 5; Length 108;
Best Local Similarity 100.0%; Pred.No. 2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      62 GNVTLNV 68
Db      17 GNVTLNV 23

RESULT 65
US-09-746-801A-47
; Sequence 47, Application US/09746801A
; Patent No. US20020083494A1
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/746,801A
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
; US-09-746-801A-47

Query Match          3.6%; Score 7; DB 3; Length 115;
Best Local Similarity 100.0%; Pred.No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
Db      29 SSSGKRL 35

RESULT 66
US-11-109-077-47
; Sequence 47, Application US/11109077
```

; Publication No. US20050204424A1  
; GENERAL INFORMATION:  
; APPLICANT: Wagner, Ry  
; APPLICANT: Hicks, Karen A.  
; APPLICANT: Spence, Michelle Z.  
; APPLICANT: Foss, Henriette  
; APPLICANT: Liu, Xiang L.  
; APPLICANT: Covington, Michael F.  
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM  
; FILE REFERENCE: 1505-67088-02  
; CURRENT APPLICATION NUMBER: US/11/109,077  
; CURRENT FILING DATE: 2005-04-18  
; PRIOR APPLICATION NUMBER: US 60/096,802  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: PCT/US99/18747  
; PRIOR FILING DATE: 1999-08-17  
; PRIOR APPLICATION NUMBER: US 09/513,057  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 09/746,801  
; PRIOR FILING DATE: 2000-12-20  
; PRIOR APPLICATION NUMBER: US 10/719,885  
; PRIOR FILING DATE: 2003-11-21  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 47  
; LENGTH: 115  
; TYPE: PRT  
; ORGANISM: Xanthium  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (4)..(4)  
; OTHER INFORMATION: Xaa = uncertain amino acid residue  
US-11-109-077-47

Query Match 3.6%; Score 7; DB 6; Length 115;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 175 SSSGKRL 181  
Db 29 SSSGKRL 35

RESULT 67  
US-10-424-599-285576  
; Sequence 285576, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 285576  
; LENGTH: 124  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_99904C.1.pep  
US-10-424-599-285576

Query Match 3.6%; Score 7; DB 4; Length 124;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 TPAQAH 25  
Db 62 TPAQAH 68

RESULT 68  
US-10-437-963-196791  
; Sequence 196791, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 196791  
; LENGTH: 124  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_9260C.1.pep  
US-10-437-963-196791

Query Match 3.6%; Score 7; DB 4; Length 124;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 GLLLATP 20  
Db 16 GLLLATP 22

RESULT 69  
US-09-764-891-4977  
; Sequence 4977, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4977  
; LENGTH: 126  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (119)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (122)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (123)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-764-891-4977

Query Match 3.6%; Score 7; DB 3; Length 126;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 52 TLEPDI 58  
Db 52 TLEPDI 58

```
Db          70 TLEPDP I 76

RESULT 70
US-10-779-597-59
; Sequence 59, Application US/10779597
; Publication No. US20040234953A1
; GENERAL INFORMATION:
; APPLICANT: Oregon Health & Science University
; APPLICANT: Wong, Scott W.
; APPLICANT: Axthelm, Michael K.
; APPLICANT: Hansen, Scott G.
; TITLE OF INVENTION: JAPANESE MACAQUE HERPESVIRUS NUCLEIC ACID SEQUENCES AND THEIR USE
; FILE REFERENCE: 178-67426
; CURRENT APPLICATION NUMBER: US/10/779,597
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: 10/276,524
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/16274
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: 60/205,652
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 59
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Japanese Macaque Herpesvirus
US-10-779-597-59

Query Match          3.6%; Score 7; DB 5; Length 129;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          69 VGSTSV P 75
          |||||
Db          8 VGSTSV P 14

RESULT 71
US-10-282-122A-67397
; Sequence 67397, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625

Db          70 TLEPDP I 76

RESULT 72
US-10-739-930-8847
; Sequence 8847, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 8847
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C1993_21.p
US-10-739-930-8847

Query Match          3.6%; Score 7; DB 5; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          72 TSVPLSS 78
          |||||
Db          7 TSVPLSS 13

RESULT 73
US-11-097-143-35136
; Sequence 35136, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
```

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; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 67397
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Pasteurella multocida
US-10-282-122A-67397

Query Match          3.6%; Score 7; DB 4; Length 136;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          9 LLJALGL 15
          |||||
Db          61 LLJALGL 67

RESULT 72
US-10-739-930-8847
; Sequence 8847, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 8847
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C1993_21.p
US-10-739-930-8847

Query Match          3.6%; Score 7; DB 5; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          72 TSVPLSS 78
          |||||
Db          7 TSVPLSS 13

RESULT 73
US-11-097-143-35136
; Sequence 35136, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
```

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; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35136
; LENGTH: 140
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-35136

Query Match          3.6%; Score 7; DB 6; Length 140;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGST 72
Db 52 LSVVGST 58

RESULT 74
US-10-425-115-331361
; Sequence 331361, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 331361
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(147)
; OTHER INFORMATION: unsure at all Xaa locations
; OTHER INFORMATION: Clone ID: MRT4577_65304C.1.pep
US-10-425-115-331361

Query Match          3.6%; Score 7; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGULLA 18
Db 82 ALGULLA 88

RESULT 75
US-10-442-174A-1
; Sequence 1, Application US/10442174A
; Publication No. US20040010123A1
; GENERAL INFORMATION:
; APPLICANT: Societe des Produits Nestle
; APPLICANT: Kochhar, Sunil
; APPLICANT: Hansen, Carl Eric
; APPLICANT: Jaullerat, Marcel Alexandre
; APPLICANT: James, McCarthy
```

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; TITLE OF INVENTION: COCOA ALBUMIN AND USE IN COCOA AND CHOCOLATE PRODUCTION
; FILE REFERENCE: 88265-6838
; CURRENT APPLICATION NUMBER: US/10/442,174A
; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: PCT/EP01/13536
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: EP00125523.1
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Theobroma cacao
US-10-442-174A-1

Query Match          3.6%; Score 7; DB 4; Length 150;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19
Db 4 LGLLLAT 10

RESULT 76
US-10-767-701-53352
; Sequence 53352, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 53352
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 13389801.pep
US-10-767-701-53352

Query Match          3.6%; Score 7; DB 4; Length 152;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 SPLKVDL 84
Db 6 SPLKVDL 12

RESULT 77
US-09-975-719-213
; Sequence 213, Application US/09975719
; Publication No. US20030022349A1
; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick M.
; APPLICANT: Rahme, Laurence G.
; TITLE OF INVENTION: VIRULANCE-ASSOCIATED NUCLEIC ACID
; TITLE OF INVENTION: SEQUENCES AND USES THEREOF
; FILE REFERENCE: 00786/361003
; CURRENT APPLICATION NUMBER: US/09/975,719
; CURRENT FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 09/199,637
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: US 60/066,517
; PRIOR FILING DATE: 1997-11-25
; NUMBER OF SEQ ID NOS: 437
```

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-975-719-213

Query Match          3.6%; Score 7; DB 3; Length 153;
Best Local Similarity 100.0%; Pred.No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      13 LGLLLAT 19
      |||||||
Db      70 LGLLLAT 76

RESULT 78
US-10-128-174-29
; Sequence 29, Application US/10128174
; Publication No. US20030199462A1
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; TITLE OF INVENTION: Methods and Compositions for Regulating Cellular Signaling
; FILE REFERENCE: UM-06967
; CURRENT APPLICATION NUMBER: US/10/128,174
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-128-174-29

Query Match          3.6%; Score 7; DB 4; Length 153;
Best Local Similarity 100.0%; Pred.No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
      |||||||
Db      81 SSSGKRL 87

RESULT 79
US-10-767-701-43671
; Sequence 43671, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 43671
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C105305_1.pep
US-10-767-701-43671

Query Match          3.6%; Score 7; DB 4; Length 166;
Best Local Similarity 100.0%; Pred.No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLLA 18
      |||||||
Db      47 ALGLLLA 53
```

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RESULT 80
US-10-437-963-138075
; Sequence 138075, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 138075
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(169)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_39498C.1.pep
US-10-437-963-138075

Query Match          3.6%; Score 7; DB 4; Length 169;
Best Local Similarity 100.0%; Pred.No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      113 DVLDMLI 119
      |||||||
Db      36 DVLDMLI 42

RESULT 81
US-09-933-767-1011
; Sequence 1011, Application US/099333767
; Publication No. US20030181692A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P2
; CURRENT APPLICATION NUMBER: US/09/933,767
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: PCT/US01/05614
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/184,836
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/193,170
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/205,258
; PRIOR FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: PCT/US98/11422
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/048,885
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,375
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,881
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,880
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,896
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,020
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; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,876  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,895  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,884  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,894  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,971  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,964  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,882  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,899  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,893  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,900  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,901  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,892  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,915  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/049,019  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,970  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,972  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,916  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/049,373  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,875  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/049,374  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,917  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,949  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,974  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,883  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,897  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,898  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,962  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,963  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,877  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,878  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/068,054  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/068,064  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/068,053  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/070,923  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/073,160  
; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/073,159  
; PRIOR FILING DATE: 1998-01-30

; PRIOR APPLICATION NUMBER: 60/073,165  
; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/073,164  
; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/085,925  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085,921  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085,923  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085,922  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/092,921  
; PRIOR FILING DATE: 1998-07-15  
; PRIOR APPLICATION NUMBER: 60/094,657  
; PRIOR FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1245  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1011  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (65)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (118)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-933-767-1011

Query Match 3.6%; Score 7; DB 3; Length 170;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131  
|||||  
Db 104 CPEPLRT 110

RESULT 82  
US-10-004-860-1011  
; Sequence 1011, Application US/10004860  
; Publication No. US20030065160A1  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: PZ007P1  
; CURRENT APPLICATION NUMBER: US/10/004,860  
; CURRENT FILING DATE: 2001-12-07  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1011  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (65)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (118)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-004-860-1011

Query Match 3.6%; Score 7; DB 4; Length 170;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131  
|||||

```
Db          104 CPEPLRT 110

RESULT 83
US-10-023-282-1011
; Sequence 1011, Application US/10023282
; Publication No. US20030092893A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/023,282
; CURRENT FILING DATE: 2001-12-20
; EARLIER APPLICATION NUMBER: 09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06

; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1011
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-023-282-1011

Query Match          3.6%; Score 7; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          125 CPEPLRT 131
           |||||
Db          104 CPEPLRT 110

RESULT 84
US-10-767-701-36938
; Sequence 36938, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 36938
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(171)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C12322_1.pep
US-10-767-701-36938
```

```
Query Match      3.6%; Score 7; DB 4; Length 171;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      184 IKIAASL 190
      |||||
Db       59 IKIAASL 65

RESULT 85
US-10-767-701-55443
; Sequence 55443, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 55443
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30163141.pep
US-10-767-701-55443

Query Match      3.6%; Score 7; DB 4; Length 173;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      74 VPLSSPL 80
      |||||
Db       67 VPLSSPL 73

RESULT 86
US-10-425-115-210965
; Sequence 210965, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 210965
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_123996C.1.pep
US-10-425-115-210965

Query Match      3.6%; Score 7; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      184 IKIAASL 190
      |||||
Db       75 IKIAASL 81

RESULT 87
```

```
US-10-335-977-5623
; Sequence 5623, Application US/10335977
; Publication No. US20040052799A1
; GENERAL INFORMATION:
; APPLICANT: DOUGLAS SMITH et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; RELATING TO HELICOBACTER PYLORI FOR
; DIAGNOSTICS AND THERAPEUTICS
;
; NUMBER OF SEQUENCES: 10031
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows NT 4.0
; SOFTWARE: UNIX
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/335,977
; FILING DATE: 30-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/993,002
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: GTN-018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 5623:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 179 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Helicobacter pylori
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...179
; SEQUENCE DESCRIPTION: SEQ ID NO: 5623:
US-10-335-977-5623

Query Match      3.6%; Score 7; DB 4; Length 179;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      84 LVLEKEV 90
      |||||
Db      170 LVLEKEV 176

RESULT 88
US-10-264-049-2611
; Sequence 2611, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
```

```
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2611
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (141)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (184)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (187)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2611
```

```
Query Match          3.6%; Score 7; DB 4; Length 191;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      52 TLEPDPI 58
         |||||||
Db      70 TLEPDPI 76
```

RESULT 89

```
US-10-425-115-212541
; Sequence 212541, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 212541
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_12543C.1.pep
US-10-425-115-212541
```

```
Query Match          3.6%; Score 7; DB 4; Length 191;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      171 ESVLSSS 177
         |||||||
Db      42 ESVLSSS 48
```

RESULT 90

```
US-10-767-701-41702
; Sequence 41702, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
```

```
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 41702
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(192)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C5781_1.pep
US-10-767-701-41702
```

```
Query Match          3.6%; Score 7; DB 4; Length 192;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      27 KPSQLSS 33
         |||||||
Db      100 KPSQLSS 106
```

RESULT 91

```
US-10-425-115-210966
; Sequence 210966, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 210966
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_123997C.1.pep
US-10-425-115-210966
```

```
Query Match          3.6%; Score 7; DB 4; Length 194;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      184 IKIAASL 190
         |||||||
Db      110 IKIAASL 116
```

RESULT 92

```
US-10-156-761-13659
; Sequence 13659, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
```

; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: JP 2001-204089  
; PRIOR FILING DATE: 2001-05-30  
; PRIOR APPLICATION NUMBER: JP 2001-272697  
; PRIOR FILING DATE: 2001-08-02  
; NUMBER OF SEQ ID NOS: 15109  
; SEQ ID NO 13659  
; LENGTH: 200  
; TYPE: PRT  
; ORGANISM: Streptomyces avermitilis  
US-10-156-761-13659

Query Match 3.6%; Score 7; DB 4; Length 200;  
Best Local Similarity 100.0%; Pred. No. 3.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IALGLLL 17  
| | | | |  
Db 129 IALGLLL 135

RESULT 93

US-10-408-765A-2857  
; Sequence 2857, Application US/10408765A  
; Publication No. US20040101874A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Soumitra S.  
; APPLICANT: Fahy, Eoin D.  
; APPLICANT: Zhang, Bing  
; APPLICANT: Gibson, Bradford W.  
; APPLICANT: Taylor, Steven W.  
; APPLICANT: Glenn, Gary M.  
; APPLICANT: Warnock, Dale E.  
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME  
; FILE REFERENCE: 660088.465  
; CURRENT APPLICATION NUMBER: US/10/408,765A  
; CURRENT FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 3077  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2857  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-408-765A-2857

Query Match 3.6%; Score 7; DB 4; Length 207;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 173 VLSSGK 179  
| | | | |  
Db 27 VLSSGK 33

RESULT 94

US-10-437-963-157781  
; Sequence 157781, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 157781  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(207)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_57318C.1.pep  
US-10-437-963-157781

Query Match 3.6%; Score 7; DB 4; Length 207;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 PLLIALG 14  
| | | | |  
Db 113 PLLIALG 119

RESULT 95

US-10-424-599-167623  
; Sequence 167623, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 167623  
; LENGTH: 208  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(208)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_122380C.1.pep  
US-10-424-599-167623

Query Match 3.6%; Score 7; DB 4; Length 208;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181  
| | | | |  
Db 105 SSSGKRL 111

RESULT 96

US-10-424-599-187530  
; Sequence 187530, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684

```

; SEQ ID NO 187530
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_140351C.1.pep
US-10-424-599-187530

Query Match      3.6%; Score 7; DB 4; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      72 TSVPLSS 78
Db      7 TSVPLSS 13

RESULT 97
US-10-739-930-8848
; Sequence 8848, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 8848
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C1993_22.p
US-10-739-930-8848

Query Match      3.6%; Score 7; DB 5; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      72 TSVPLSS 78
Db      7 TSVPLSS 13

RESULT 98
US-10-437-963-192804
; Sequence 192804, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 192804
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(220)
; OTHER INFORMATION: unsure at all Xaa locations

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; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_88C.1.pep
US-10-437-963-192804

Query Match      3.6%; Score 7; DB 4; Length 220;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      74 VPLSSPL 80
Db      14 VPLSSPL 20

RESULT 99
US-10-369-493-20542
; Sequence 20542, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20542
; LENGTH: 226
; TYPE: PRT
; ORGANISM: Rhodopseudomonas palustris
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C316532_1.p
US-10-369-493-20542

Query Match      3.6%; Score 7; DB 4; Length 226;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      173 VLSSSGK 179
Db      29 VLSSSGK 35

RESULT 100
US-10-739-930-9018
; Sequence 9018, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 9018
; LENGTH: 226
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(226)
; OTHER INFORMATION: unsure at all Xaa locations
; OTHER INFORMATION: Clone ID: GLYMA-23APR03-C316532_1.p
US-10-739-930-9018

Query Match      3.6%; Score 7; DB 5; Length 226;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 172 SVLSSSG 178  
|||  
Db 210 SVLSSSG 216

Search completed: February 15, 2006, 09:57:29  
Job time : 244.893 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:55 ; Search time 22.3022 Seconds  
(without alignments)  
122.986 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 193  
Sequence: 1 MQSLMQAPLLIALGLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0  
  
Searched: 107799 seqs, 14211699 residues

Word size : 0  
  
Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Published Applications AA.New:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score		Query Match	Length	DB ID	Description
	%					
1	112	58.0	201	6	US-10-821-234-1162	Sequence 1162, Ap
2	8	4.1	410	6	US-10-821-234-1180	Sequence 1180, Ap
3	7	3.6	162	7	US-11-098-686-10273	Sequence 10273, A
4	7	3.6	296	6	US-10-965-972-8	Sequence 8, Appli
5	7	3.6	334	6	US-10-858-730-114	Sequence 114, App
6	7	3.6	456	7	US-11-074-176-238	Sequence 238, App
7	7	3.6	1102	7	US-11-098-686-10951	Sequence 10951, A
8	6	3.1	9	6	US-10-857-484-207	Sequence 207, App
9	6	3.1	9	6	US-10-857-484-226	Sequence 226, App
10	6	3.1	9	6	US-10-857-484-254	Sequence 254, App
11	6	3.1	9	6	US-10-857-484-271	Sequence 271, App
12	6	3.1	9	6	US-10-857-484-755	Sequence 755, App
13	6	3.1	9	6	US-10-857-484-782	Sequence 782, App
14	6	3.1	9	6	US-10-857-484-829	Sequence 829, App
15	6	3.1	9	6	US-10-857-484-834	Sequence 834, App
16	6	3.1	9	6	US-10-857-484-1322	Sequence 1322, Ap
17	6	3.1	9	6	US-10-857-484-1339	Sequence 1339, Ap
18	6	3.1	9	6	US-10-857-484-1373	Sequence 1373, Ap
19	6	3.1	9	6	US-10-857-484-1418	Sequence 1418, Ap
20	6	3.1	9	6	US-10-857-484-1894	Sequence 1894, Ap
21	6	3.1	9	6	US-10-857-484-1908	Sequence 1908, Ap
22	6	3.1	9	6	US-10-857-484-1937	Sequence 1937, Ap
23	6	3.1	9	6	US-10-857-484-1973	Sequence 1973, Ap
24	6	3.1	9	6	US-10-857-484-2449	Sequence 2449, Ap
25	6	3.1	9	6	US-10-857-484-2506	Sequence 2506, Ap

26	6	3.1	9	6	US-10-857-484-2532	Sequence 2532, Ap
27	6	3.1	9	6	US-10-857-484-3016	Sequence 3016, Ap
28	6	3.1	9	6	US-10-857-484-3029	Sequence 3029, Ap
29	6	3.1	9	6	US-10-857-484-3059	Sequence 3059, Ap
30	6	3.1	9	6	US-10-857-484-3573	Sequence 3573, Ap
31	6	3.1	9	6	US-10-857-484-3594	Sequence 3594, Ap
32	6	3.1	9	6	US-10-857-484-3658	Sequence 3658, Ap
33	6	3.1	9	6	US-10-857-484-4213	Sequence 4213, Ap
34	6	3.1	9	6	US-10-857-484-4230	Sequence 4230, Ap
35	6	3.1	9	6	US-10-857-484-4374	Sequence 4374, Ap
36	6	3.1	9	6	US-10-857-484-4392	Sequence 4392, Ap
37	6	3.1	9	6	US-10-857-484-4588	Sequence 4588, Ap
38	6	3.1	9	6	US-10-857-484-4594	Sequence 4594, Ap
39	6	3.1	9	6	US-10-857-484-4699	Sequence 4699, Ap
40	6	3.1	9	6	US-10-857-484-4779	Sequence 4779, Ap
41	6	3.1	9	6	US-10-857-484-4876	Sequence 4876, Ap
42	6	3.1	9	6	US-10-857-484-4988	Sequence 4988, Ap
43	6	3.1	9	6	US-10-857-484-5080	Sequence 5080, Ap
44	6	3.1	9	6	US-10-857-484-5087	Sequence 5087, Ap
45	6	3.1	9	6	US-10-857-484-5185	Sequence 5185, Ap
46	6	3.1	9	6	US-10-857-484-5188	Sequence 5188, Ap
47	6	3.1	10	6	US-10-857-484-464	Sequence 464, App
48	6	3.1	10	6	US-10-857-484-482	Sequence 482, App
49	6	3.1	10	6	US-10-857-484-504	Sequence 504, App
50	6	3.1	10	6	US-10-857-484-517	Sequence 517, App
51	6	3.1	10	6	US-10-857-484-1033	Sequence 1033, Ap
52	6	3.1	10	6	US-10-857-484-1064	Sequence 1064, Ap
53	6	3.1	10	6	US-10-857-484-1085	Sequence 1085, Ap
54	6	3.1	10	6	US-10-857-484-1091	Sequence 1091, Ap
55	6	3.1	10	6	US-10-857-484-1123	Sequence 1123, Ap
56	6	3.1	10	6	US-10-857-484-1602	Sequence 1602, Ap
57	6	3.1	10	6	US-10-857-484-1609	Sequence 1609, Ap
58	6	3.1	10	6	US-10-857-484-1645	Sequence 1645, Ap
59	6	3.1	10	6	US-10-857-484-1678	Sequence 1678, Ap
60	6	3.1	10	6	US-10-857-484-1689	Sequence 1689, Ap
61	6	3.1	10	6	US-10-857-484-2169	Sequence 2169, Ap
62	6	3.1	10	6	US-10-857-484-2174	Sequence 2174, Ap
63	6	3.1	10	6	US-10-857-484-2222	Sequence 2222, Ap
64	6	3.1	10	6	US-10-857-484-2227	Sequence 2227, Ap
65	6	3.1	10	6	US-10-857-484-2248	Sequence 2248, Ap
66	6	3.1	10	6	US-10-857-484-2725	Sequence 2725, Ap
67	6	3.1	10	6	US-10-857-484-2756	Sequence 2756, Ap
68	6	3.1	10	6	US-10-857-484-2814	Sequence 2814, Ap
69	6	3.1	10	6	US-10-857-484-2818	Sequence 2818, Ap
70	6	3.1	10	6	US-10-857-484-3284	Sequence 3284, Ap
71	6	3.1	10	6	US-10-857-484-3315	Sequence 3315, Ap
72	6	3.1	10	6	US-10-857-484-3340	Sequence 3340, Ap
73	6	3.1	10	6	US-10-857-484-3352	Sequence 3352, Ap
74	6	3.1	10	6	US-10-857-484-3865	Sequence 3865, Ap
75	6	3.1	10	6	US-10-857-484-3876	Sequence 3876, Ap
76	6	3.1	10	6	US-10-857-484-3888	Sequence 3888, Ap
77	6	3.1	10	6	US-10-857-484-3936	Sequence 3936, Ap
78	6	3.1	10	6	US-10-857-484-5228	Sequence 5228, Ap
79	6	3.1	10	6	US-10-857-484-5298	Sequence 5298, Ap
80	6	3.1	10	6	US-10-857-484-5322	Sequence 5322, Ap
81	6	3.1	10	6	US-10-857-484-5521	Sequence 5521, Ap
82	6	3.1	10	6	US-10-857-484-5543	Sequence 5543, Ap
83	6	3.1	10	6	US-10-857-484-5544	Sequence 5544, Ap
84	6	3.1	10	6	US-10-857-484-5666	Sequence 5666, Ap
85	6	3.1	10	6	US-10-857-484-5735	Sequence 5735, Ap
86	6	3.1	10	6	US-10-857-484-5743	Sequence 5743, Ap
87	6	3.1	10	6	US-10-857-484-5839	Sequence 5839, Ap
88	6	3.1	10	6	US-10-857-484-5847	Sequence 5847, Ap
89	6	3.1	15	6	US-10-857-484-5944	Sequence 5944, Ap
90	6	3.1	15	6	US-10-857-484-5953	Sequence 5953, Ap
91	6	3.1	15	6	US-10-857-484-5962	Sequence 5962, Ap
92	6	3.1	15	6	US-10-857-484-5967	Sequence 5967, Ap
93	6	3.1	15	6	US-10-857-484-5970	Sequence 5970, Ap
94	6	3.1	15	6	US-10-857-484-6113	Sequence 6113, Ap
95	6	3.1	15	6	US-10-857-484-6116	Sequence 6116, Ap
96	6	3.1	15	6	US-10-857-484-6124	Sequence 6124, Ap
97	6	3.1	15	6	US-10-857-484-6133	Sequence 6133, Ap
98	6	3.1	15	6	US-10-857-484-6144	Sequence 6144, Ap

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99      6      3.1      15      6      US-10-857-484-6232      Sequence 6232, Ap
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101     6      3.1      15      6      US-10-857-484-6250      Sequence 6250, Ap
102     6      3.1      15      6      US-10-857-484-6251      Sequence 6251, Ap
103     6      3.1      15      6      US-10-857-484-6427      Sequence 6427, Ap
104     6      3.1      24      7      US-11-094-071-29      Sequence 29, Appl
105     6      3.1      34      7      US-11-122-795-15      Sequence 15, Appl
106     6      3.1      35      6      US-10-467-657-8877      Sequence 8877, Ap
107     6      3.1      35      6      US-10-532-480-7        Sequence 7, Appli
108     6      3.1      35      6      US-10-532-480-9        Sequence 9, Appli
109     6      3.1      106     7      US-11-072-512-2975      Sequence 2975, Ap
110     6      3.1      114     6      US-10-857-484-6546      Sequence 6546, Ap
111     6      3.1      123     6      US-10-432-483-4        Sequence 4, Appli
112     6      3.1      123     6      US-10-063-703-68      Sequence 68, Appl
113     6      3.1      123     6      US-10-857-484-150      Sequence 150, App
114     6      3.1      123     6      US-10-857-484-6530      Sequence 6530, Ap
115     6      3.1      123     6      US-10-857-484-6531      Sequence 6531, Ap
116     6      3.1      123     6      US-10-857-484-6532      Sequence 6532, Ap
117     6      3.1      123     7      US-11-102-240-68      Sequence 68, Appl
118     6      3.1      123     7      US-11-094-071-25      Sequence 25, Appl
119     6      3.1      123     7      US-11-155-288-19      Sequence 19, Appl
120     6      3.1      125     7      US-11-226-657-155      Sequence 155, App
121     6      3.1      128     5      US-09-810-501-26      Sequence 26, Appl
122     6      3.1      129     6      US-10-485-517-178      Sequence 178, App
123     6      3.1      131     6      US-10-467-657-6660      Sequence 6660, Ap
124     6      3.1      138     7      US-11-072-512-2720      Sequence 2720, Ap
125     6      3.1      145     7      US-11-082-389-310      Sequence 310, App
126     6      3.1      147     6      US-10-485-517-343      Sequence 343, App
127     6      3.1      157     7      US-11-072-512-2908      Sequence 2908, Ap
128     6      3.1      162     6      US-10-714-887-260      Sequence 260, App
129     6      3.1      164     6      US-10-714-887-250      Sequence 250, App
130     6      3.1      168     7      US-11-108-172-199      Sequence 199, App
131     6      3.1      170     6      US-10-714-887-280      Sequence 280, App
132     6      3.1      189     6      US-10-055-877-207      Sequence 207, App
133     6      3.1      195     6      US-10-055-877-208      Sequence 208, App
134     6      3.1      199     6      US-10-793-626-2690      Sequence 2690, Ap
135     6      3.1      216     7      US-11-186-284-217      Sequence 217, App
136     6      3.1      216     7      US-11-169-041-210      Sequence 210, App
137     6      3.1      222     7      US-11-216-267-12      Sequence 12, Appl
138     6      3.1      222     7      US-11-232-382-12      Sequence 12, Appl
139     6      3.1      226     6      US-10-512-376-8        Sequence 8, Appli
140     6      3.1      235     6      US-10-467-657-5738      Sequence 5738, Ap
141     6      3.1      243     6      US-10-515-868-4        Sequence 4, Appli
142     6      3.1      243     6      US-10-506-443A-41      Sequence 41, Appl
143     6      3.1      245     6      US-10-467-657-1570      Sequence 1570, Ap
144     6      3.1      251     7      US-11-186-284-220      Sequence 220, App
145     6      3.1      251     7      US-11-072-175-223      Sequence 223, App
146     6      3.1      252     6      US-10-527-500-19      Sequence 19, Appl
147     6      3.1      253     7      US-11-054-515-1490      Sequence 1490, Ap
148     6      3.1      267     7      US-11-186-284-215      Sequence 215, App
149     6      3.1      285     7      US-11-037-243-88      Sequence 88, Appl
150     6      3.1      292     6      US-10-965-972-6        Sequence 6, Appli
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ALIGNMENTS

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RESULT 1
US-10-821-234-1162
; Sequence 1162, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
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; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1162
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1162

Query Match          58.0%; Score 112; DB 6; Length 201;
Best Local Similarity 100.0%; Pred. No. 9.2e-104;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      41 EGKDPAVIRSLTLEDDPIVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
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Db      49 EGKDPAVIRSLTLEDDPIVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 108
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Qy      101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEF 152
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      109 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEF 160
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||

RESULT 2
US-10-821-234-1180
; Sequence 1180, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1180
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1180

Query Match          4.1%; Score 8; DB 6; Length 410;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      86 LEKEVAGL 93
      |||||||
Db      297 LEKEVAGL 304

RESULT 3
US-11-098-686-10273
; Sequence 10273, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10273
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
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## US-11-098-686-10273

Query Match 3.6%; Score 7; DB 7; Length 162;  
Best Local Similarity 100.0%; Pred. No. 9.5;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 KKPSQLS 32  
| | | | |  
Db 135 KKPSQLS 141

## RESULT 4

US-10-965-972-8

; Sequence 8, Application US/10965972  
; Publication No. US20050266421A1  
; GENERAL INFORMATION:  
; APPLICANT: Immunex Corporation  
; APPLICANT: Bird, Timothy A.  
; APPLICANT: Youakim, Adel  
; TITLE OF INVENTION: Claudin Polypeptides, Polynucleotides, and Methods of Making and  
; FILE REFERENCE: 3426-WO  
; CURRENT APPLICATION NUMBER: US/10/965,972  
; CURRENT FILING DATE: 2004-10-15  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 8  
; LENGTH: 296  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-10-965-972-8

Query Match 3.6%; Score 7; DB 6; Length 296;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18  
| | | | |  
Db 92 ALGLLLA 98

## RESULT 5

US-10-858-730-114

; Sequence 114, Application US/10858730  
; Publication No. US20050255568A1  
; GENERAL INFORMATION:  
; APPLICANT: Bailey, Richard B.  
; APPLICANT: Blomquist, Paul  
; APPLICANT: Doten, Reed  
; APPLICANT: Driggers, Edward M.  
; APPLICANT: Madden, Kevin T.  
; APPLICANT: O'Leary, Jessica  
; APPLICANT: O'Toole, George  
; APPLICANT: Trueheart, Joshua  
; APPLICANT: Walbridge, Michael J.  
; APPLICANT: Yorgey, Peter S.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID  
; FILE REFERENCE: 14184-030001  
; CURRENT APPLICATION NUMBER: US/10/858,730  
; CURRENT FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: US 60/475,000  
; PRIOR FILING DATE: 2003-05-30  
; PRIOR APPLICATION NUMBER: US 60/551,860  
; PRIOR FILING DATE: 2004-03-10  
; NUMBER OF SEQ ID NOS: 364  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 114  
; LENGTH: 334  
; TYPE: PRT  
; ORGANISM: Streptomyces coelicolor  
US-10-858-730-114

## Query Match

Best Local Similarity 3.6%; Score 7; DB 6; Length 334;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18  
| | | | |  
Db 158 ALGLLLA 164

## RESULT 6

US-11-074-176-238  
; Sequence 238, Application US/11074176  
; Publication No. US20050250135A1  
; GENERAL INFORMATION:  
; APPLICANT: Klaenhammer, Todd R.  
; APPLICANT: Russell, William M.  
; APPLICANT: Altermann, Eric  
; APPLICANT: McAuliffe, Olivia  
; APPLICANT: Peril, Andrea Azcarate  
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
; FILE REFERENCE: 5051-694  
; CURRENT APPLICATION NUMBER: US/11/074,176  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: 60/551,161  
; PRIOR FILING DATE: 2004-03-08  
; NUMBER OF SEQ ID NOS: 381  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 238  
; LENGTH: 456  
; TYPE: PRT  
; ORGANISM: Lactobacillus acidophilus  
US-11-074-176-238

Query Match 3.6%; Score 7; DB 7; Length 456;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IALGLLL 17  
| | | | |  
Db 130 IALGLLL 136

## RESULT 7

US-11-098-686-10951  
; Sequence 10951, Application US/11098686  
; Publication No. US20060024696A1  
; GENERAL INFORMATION:  
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
; FILE REFERENCE: 09531-128001  
; CURRENT APPLICATION NUMBER: US/11/098,686  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31318  
; PRIOR FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: US 60/416,395  
; PRIOR FILING DATE: 2002-10-04  
; NUMBER OF SEQ ID NOS: 11433  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10951  
; LENGTH: 1102  
; TYPE: PRT  
; ORGANISM: Lawsonia intracellularis  
US-11-098-686-10951

Query Match 3.6%; Score 7; DB 7; Length 1102;  
Best Local Similarity 100.0%; Pred. No. 60;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 KKPSQLS 32  
| | | | |  
Db 1094 KKPSQLS 1100

```
RESULT 8
US-10-857-484-207
; Sequence 207, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-207
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      4 ALGLLL 9
```

```
RESULT 9
US-10-857-484-226
; Sequence 226, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 226
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-226
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      3 ALGLLL 8
```

```
RESULT 10
US-10-857-484-254
; Sequence 254, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 254
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-254
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      2 ALGLLL 7
```

```
RESULT 11
US-10-857-484-271
; Sequence 271, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 271
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-271
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      1 ALGLLL 6
```

```
RESULT 12
US-10-857-484-755
; Sequence 755, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
```



```
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 755
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-755

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 13
US-10-857-484-782
; Sequence 782, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 782
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-782

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 14
US-10-857-484-829
; Sequence 829, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 829
```

```
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-829

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 15
US-10-857-484-834
; Sequence 834, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 834
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-834

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      2 ALGLLL 7

RESULT 16
US-10-857-484-1322
; Sequence 1322, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1322
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1322

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      2 ALGLLL 7
```

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 4 ALGLLL 9

RESULT 17

US-10-857-484-1339  
; Sequence 1339, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1339  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1339

Query Match 3.1%; Score 6; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 1 ALGLLL 6

RESULT 18

US-10-857-484-1373  
; Sequence 1373, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1373  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1373

Query Match 3.1%; Score 6; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 3 ALGLLL 8

RESULT 19

US-10-857-484-1418  
; Sequence 1418, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1418  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1418

Query Match 3.1%; Score 6; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 2 ALGLLL 7

RESULT 20

US-10-857-484-1894  
; Sequence 1894, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1894  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1894

Query Match 3.1%; Score 6; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 4 ALGLLL 9

RESULT 21

US-10-857-484-1908  
; Sequence 1908, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.

```
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1908
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-857-484-1908
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
        |||||
Db       3 ALGLLL 8
```

## RESULT 22

```
US-10-857-484-1937
; Sequence 1937, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1937
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-857-484-1937
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
        |||||
Db       1 ALGLLL 6
```

## RESULT 23

```
US-10-857-484-1973
; Sequence 1973, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
```

```
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1973
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-857-484-1973
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
        |||||
Db       2 ALGLLL 7
```

## RESULT 24

```
US-10-857-484-2449
; Sequence 2449, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2449
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-857-484-2449
```

```
Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
        |||||
Db       4 ALGLLL 9
```

## RESULT 25

```
US-10-857-484-2506
; Sequence 2506, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2506
; LENGTH: 9
; TYPE: PRT
;
```

```
; ORGANISM: Homo sapiens
US-10-857-484-2506

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches      6; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

Qy      12 ALGLLL 17
Db       3 ALGLLL 8

RESULT 26
US-10-857-484-2532
; Sequence 2532, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2532
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2532

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches      6; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

Qy      12 ALGLLL 17
Db       1 ALGLLL 6

RESULT 27
US-10-857-484-3016
; Sequence 3016, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3016
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3016

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches      6; Conservative    0; Mismatches    0; Indels    0; Gaps    0;
```

```
; Sequence 3573, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3573
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3573
```

```
Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 12 ALGLLL 17
Db 3 ALGLLL 8
```

```
RESULT 31
US-10-857-484-3594
; Sequence 3594, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3594
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3594
```

```
Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 12 ALGLLL 17
Db 4 ALGLLL 9
```

```
RESULT 32
US-10-857-484-3658
; Sequence 3658, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
```

```
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3658
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3658
```

```
Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 12 ALGLLL 17
Db 1 ALGLLL 6
```

```
RESULT 33
US-10-857-484-4213
; Sequence 4213, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4213
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4213
```

```
Query Match 3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 12 ALGLLL 17
Db 4 ALGLLL 9
```

```
RESULT 34
US-10-857-484-4230
; Sequence 4230, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
```

```

; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4230
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4230

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 35
US-10-857-484-4374
; Sequence 4374, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4374
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4374

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 36
US-10-857-484-4392
; Sequence 4392, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4392
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4392
```

```

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 37
US-10-857-484-4588
; Sequence 4588, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4588
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4588

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 38
US-10-857-484-4594
; Sequence 4594, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4594
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4594

Query Match      3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6
```



```
Db          3 ALGLLL 8

RESULT 39
US-10-857-484-4699
; Sequence 4699, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4699
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4699

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          12 ALGLLL 17
           |||||
Db          4 ALGLLL 9

RESULT 40
US-10-857-484-4779
; Sequence 4779, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4779
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4779

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          12 ALGLLL 17
           |||||
Db          4 ALGLLL 9

RESULT 41
US-10-857-484-4876
; Sequence 4876, Application US/10857484
; Publication No. US20060029940A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4876
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4876

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          12 ALGLLL 17
           |||||
Db          4 ALGLLL 9

RESULT 42
US-10-857-484-4988
; Sequence 4988, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4988
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-4988

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          12 ALGLLL 17
           |||||
Db          4 ALGLLL 9

RESULT 43
US-10-857-484-5080
; Sequence 5080, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
```

```

; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5080
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5080

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 44
US-10-857-484-5087
; Sequence 5087, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5087
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5087

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 45
US-10-857-484-5185
; Sequence 5185, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5185
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5185

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 46
US-10-857-484-5188
; Sequence 5188, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5188
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5188

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 47
US-10-857-484-464
; Sequence 464, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 464
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-464

Query Match          3.1%; Score 6; DB 6; Length 10;
```

```

; SEQ ID NO 5185
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5185

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      2 ALGLLL 7

RESULT 46
US-10-857-484-5188
; Sequence 5188, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5188
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5188

Query Match          3.1%; Score 6; DB 6; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 47
US-10-857-484-464
; Sequence 464, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 464
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-464

Query Match          3.1%; Score 6; DB 6; Length 10;
```

Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17  
|||||  
Db 5 ALGLLL 10

## RESULT 48

US-10-857-484-482  
; Sequence 482, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 482  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-482

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17  
|||||  
Db 4 ALGLLL 9

## RESULT 49

US-10-857-484-504  
; Sequence 504, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 504  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-504

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17  
|||||  
Db 3 ALGLLL 8

## RESULT 50

US-10-857-484-517  
; Sequence 517, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 517  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-517

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17  
|||||  
Db 1 ALGLLL 6

## RESULT 51

US-10-857-484-1033  
; Sequence 1033, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1033  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1033

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17  
|||||  
Db 5 ALGLLL 10

## RESULT 52

US-10-857-484-1064  
; Sequence 1064, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao

; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1064  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1064

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 4 ALGLLL 9

RESULT 53  
US-10-857-484-1085  
; Sequence 1085, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1085  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1085

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 1 ALGLLL 6

RESULT 54  
US-10-857-484-1091  
; Sequence 1091, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484

; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1091  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1091

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 3 ALGLLL 8

RESULT 55  
US-10-857-484-1123  
; Sequence 1123, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1123  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-1123

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 2 ALGLLL 7

RESULT 56  
US-10-857-484-1602  
; Sequence 1602, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1602  
; LENGTH: 10

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1602

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      5 ALGLLL 10

RESULT 57
US-10-857-484-1609
; Sequence 1609, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1609
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1609

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 58
US-10-857-484-1645
; Sequence 1645, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1645
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1645

Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 59
US-10-857-484-1678
; Sequence 1678, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1678
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1678
```

```
Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      3 ALGLLL 8
```

```
RESULT 60
US-10-857-484-1689
; Sequence 1689, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1689
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-1689
```

```
Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      2 ALGLLL 7
```

RESULT 61

```
US-10-857-484-2169
; Sequence 2169, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2169
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2169
```

```
Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      5 ALGLLL 10
```

```
RESULT 62
US-10-857-484-2174
; Sequence 2174, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2174
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2174
```

```
Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      4 ALGLLL 9
```

```
RESULT 63
US-10-857-484-2222
; Sequence 2222, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
```

```
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2222
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2222
```

```
Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      3 ALGLLL 8
```

```
RESULT 64
US-10-857-484-2227
; Sequence 2227, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2227
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2227
```

```
Query Match      3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      12 ALGLLL 17
Db      1 ALGLLL 6
```

```
RESULT 65
US-10-857-484-2248
; Sequence 2248, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
```



```
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2248
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2248

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      2 ALGLLL 7

RESULT 66
US-10-857-484-2725
; Sequence 2725, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2725
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2725

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      5 ALGLLL 10

RESULT 67
US-10-857-484-2756
; Sequence 2756, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2756
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2756

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      5 ALGLLL 10

RESULT 68
US-10-857-484-2814
; Sequence 2814, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2814
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2814

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 69
US-10-857-484-2818
; Sequence 2818, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2818
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2818

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
```

```
US-10-857-484-2756

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 68
US-10-857-484-2814
; Sequence 2814, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2814
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2814

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 69
US-10-857-484-2818
; Sequence 2818, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2818
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-2818

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
```

Db	3	ALGLLL 8	Publication No. US20060029940A1	GENERAL INFORMATION:	APPLICANT: Ge, Wangmao	APPLICANT: Challita-Eid, Pia M.	APPLICANT: Raitano, Arthur B.	APPLICANT: Jakobovits, Aya	TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)	TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF	FILE REFERENCE: 511582008800	CURRENT APPLICATION NUMBER: US/10/857,484	CURRENT FILING DATE: 2004-05-28	PRIOR APPLICATION NUMBER: US 60/475,064	PRIOR FILING DATE: 2003-05-30	NUMBER OF SEQ ID NOS: 6556	SOFTWARE: FastSEQ for Windows Version 4.0	SEQ ID NO 3284	LENGTH: 10	TYPE: PRT	ORGANISM: Homo sapiens	US-10-857-484-3284	Query Match	3.1%;	Score 6;	DB 6;	Length 10;	Best Local Similarity	100.0%;	Pred. No. 6.5;	Mismatches	0;	Indels	0;	Gaps	0;	Matches	6;	Conservative	0;
Qy	12	ALGLLL 17	US-10-857-484-3284	GENERAL INFORMATION:	APPLICANT: Ge, Wangmao	APPLICANT: Challita-Eid, Pia M.	APPLICANT: Raitano, Arthur B.	APPLICANT: Jakobovits, Aya	TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)	TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF	FILE REFERENCE: 511582008800	CURRENT APPLICATION NUMBER: US/10/857,484	CURRENT FILING DATE: 2004-05-28	PRIOR APPLICATION NUMBER: US 60/475,064	PRIOR FILING DATE: 2003-05-30	NUMBER OF SEQ ID NOS: 6556	SOFTWARE: FastSEQ for Windows Version 4.0	SEQ ID NO 3284	LENGTH: 10	TYPE: PRT	ORGANISM: Homo sapiens	US-10-857-484-3284	Query Match	3.1%;	Score 6;	DB 6;	Length 10;	Best Local Similarity	100.0%;	Pred. No. 6.5;	Mismatches	0;	Indels	0;	Gaps	0;	Matches	6;	Conservative	0;
Db	5	ALGLLL 10	US-10-857-484-3315	GENERAL INFORMATION:	APPLICANT: Ge, Wangmao	APPLICANT: Challita-Eid, Pia M.	APPLICANT: Raitano, Arthur B.	APPLICANT: Jakobovits, Aya	TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)	TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF	FILE REFERENCE: 511582008800	CURRENT APPLICATION NUMBER: US/10/857,484	CURRENT FILING DATE: 2004-05-28	PRIOR APPLICATION NUMBER: US 60/475,064	PRIOR FILING DATE: 2003-05-30	NUMBER OF SEQ ID NOS: 6556	SOFTWARE: FastSEQ for Windows Version 4.0	SEQ ID NO 3315	LENGTH: 10	TYPE: PRT	ORGANISM: Homo sapiens	US-10-857-484-3315	Query Match	3.1%;	Score 6;	DB 6;	Length 10;	Best Local Similarity	100.0%;	Pred. No. 6.5;	Mismatches	0;	Indels	0;	Gaps	0;	Matches	6;	Conservative	0;
Qy	12	ALGLLL 17	US-10-857-484-3315	GENERAL INFORMATION:	APPLICANT: Ge, Wangmao	APPLICANT: Challita-Eid, Pia M.	APPLICANT: Raitano, Arthur B.	APPLICANT: Jakobovits, Aya	TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)	TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF	FILE REFERENCE: 511582008800	CURRENT APPLICATION NUMBER: US/10/857,484	CURRENT FILING DATE: 2004-05-28	PRIOR APPLICATION NUMBER: US 60/475,064	PRIOR FILING DATE: 2003-05-30	NUMBER OF SEQ ID NOS: 6556	SOFTWARE: FastSEQ for Windows Version 4.0	SEQ ID NO 3315	LENGTH: 10	TYPE: PRT	ORGANISM: Homo sapiens	US-10-857-484-3315	Query Match	3.1%;	Score 6;	DB 6;	Length 10;	Best Local Similarity	100.0%;	Pred. No. 6.5;	Mismatches	0;	Indels	0;	Gaps	0;	Matches	6;	Conservative	0;
Db	3	ALGLLL 8	US-10-857-484-3340	GENERAL INFORMATION:	APPLICANT: Ge, Wangmao	APPLICANT: Challita-Eid, Pia M.	APPLICANT: Raitano, Arthur B.	APPLICANT: Jakobovits, Aya	TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)	TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF	FILE REFERENCE: 511582008800	CURRENT APPLICATION NUMBER: US/10/857,484	CURRENT FILING DATE: 2004-05-28	PRIOR APPLICATION NUMBER: US 60/475,064	PRIOR FILING DATE: 2003-05-30	NUMBER OF SEQ ID NOS: 6556	SOFTWARE: FastSEQ for Windows Version 4.0	SEQ ID NO 3340	LENGTH: 10	TYPE: PRT	ORGANISM: Homo sapiens	US-10-857-484-3340	Query Match	3.1%;	Score 6;	DB 6;	Length 10;	Best Local Similarity	100.0%;	Pred. No. 6.5;	Mismatches	0;	Indels	0;	Gaps	0;	Matches	6;	Conservative	0;
Qy	12	ALGLLL 17	US-10-857-484-3340	GENERAL INFORMATION:	APPLICANT: Ge, Wangmao	APPLICANT: Challita-Eid, Pia M.	APPLICANT: Raitano, Arthur B.	APPLICANT: Jakobovits, Aya	TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)	TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF	FILE REFERENCE: 511582008800	CURRENT APPLICATION NUMBER: US/10/857,484	CURRENT FILING DATE: 2004-05-28	PRIOR APPLICATION NUMBER: US 60/475,064	PRIOR FILING DATE: 2003-05-30	NUMBER OF SEQ ID NOS: 6556	SOFTWARE: FastSEQ for Windows Version 4.0	SEQ ID NO 3340	LENGTH: 10	TYPE: PRT	ORGANISM: Homo sapiens	US-10-857-484-3340	Query Match	3.1%;	Score 6;	DB 6;	Length 10;	Best Local Similarity	100.0%;	Pred. No. 6.5;	Mismatches	0;	Indels	0;	Gaps	0;	Matches	6;	Conservative	0;

```
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3865
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3865
```

```
Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
         |||||
Db       5 ALGLLL 10
```

## RESULT 75

```
US-10-857-484-3876
; Sequence 3876, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3876
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3876
```

```
Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
         |||||
Db       4 ALGLLL 9
```

## RESULT 76

```
US-10-857-484-3888
; Sequence 3888, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3888
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3888
```

```
Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
         |||||
Db       3 ALGLLL 8
```

## RESULT 77

```
US-10-857-484-3936
; Sequence 3936, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3936
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-3936
```

```
Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 ALGLLL 17
         |||||
Db       1 ALGLLL 6
```

## RESULT 78

```
US-10-857-484-5228
; Sequence 5228, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5228
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5228
```

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 5 ALGLLL 10

RESULT 79

US-10-857-484-5298  
; Sequence 5298, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 5298  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-5298

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 5 ALGLLL 10

RESULT 80

US-10-857-484-5322  
; Sequence 5322, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 5322  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-5322

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 4 ALGLLL 9

RESULT 81  
US-10-857-484-5521  
; Sequence 5521, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 5521  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-5521

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 5 ALGLLL 10

RESULT 82  
US-10-857-484-5543  
; Sequence 5543, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:  
; APPLICANT: Ge, Wangmao  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)  
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF  
; FILE REFERENCE: 511582008800  
; CURRENT APPLICATION NUMBER: US/10/857,484  
; CURRENT FILING DATE: 2004-05-28  
; PRIOR APPLICATION NUMBER: US 60/475,064  
; PRIOR FILING DATE: 2003-05-30  
; NUMBER OF SEQ ID NOS: 6556  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 5543  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-857-484-5543

Query Match 3.1%; Score 6; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 6.5;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17  
Db 4 ALGLLL 9

RESULT 83  
US-10-857-484-5544  
; Sequence 5544, Application US/10857484  
; Publication No. US20060029940A1  
; GENERAL INFORMATION:

```
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5544
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5544

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 84
US-10-857-484-5666
; Sequence 5666, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5666
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5666

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      1 ALGLLL 6

RESULT 85
US-10-857-484-5735
; Sequence 5735, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800

; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5839
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5839

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 86
US-10-857-484-5743
; Sequence 5743, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5743
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5743

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      3 ALGLLL 8

RESULT 87
US-10-857-484-5839
; Sequence 5839, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5839
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; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5839

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 5 ALGLLL 10

RESULT 88
US-10-857-484-5847
; Sequence 5847, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5847
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5847

Query Match          3.1%; Score 6; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 4 ALGLLL 9

RESULT 89
US-10-857-484-5944
; Sequence 5944, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5944
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5944

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
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```

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 9 ALGLLL 14

RESULT 90
US-10-857-484-5953
; Sequence 5953, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5953
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5953

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 7 ALGLLL 12

RESULT 91
US-10-857-484-5962
; Sequence 5962, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5962
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5962

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 10 ALGLLL 15
```



```
RESULT 92
US-10-857-484-5967
; Sequence 5967, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5967
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5967

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 93
US-10-857-484-5970
; Sequence 5970, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5970
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-5970

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      4 ALGLLL 9

RESULT 94
US-10-857-484-6113
; Sequence 6113, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
```

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; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6113
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6113

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      7 ALGLLL 12

RESULT 95
US-10-857-484-6116
; Sequence 6116, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 60/475,064
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 6556
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6116
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-484-6116

Query Match          3.1%; Score 6; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLL 17
Db      9 ALGLLL 14

RESULT 96
US-10-857-484-6124
; Sequence 6124, Application US/10857484
; Publication No. US20060029940A1
; GENERAL INFORMATION:
; APPLICANT: Ge, Wangmao
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: PROSTATE STEM CELL ANTIGEN (PSCA)
; TITLE OF INVENTION: VARIANTS AND SUBSEQUENCES THEREOF
; FILE REFERENCE: 511582008800
; CURRENT APPLICATION NUMBER: US/10/857,484
; CURRENT FILING DATE: 2004-05-28
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Qy 12 ALGULL 17  
| | | | |  
Db 7 ALGULL 12

Search completed: February 15, 2006, 09:57:58  
Job time : 23.3022 secs

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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:32:40 ; Search time 73.7689 Seconds  
(without alignments)  
216.303 Million cell updates/sec

Title: US-10-030-937-9  
Perfect score: 193  
Sequence: 1 MQLMQAPLLIALGLLLATP.....LSSSGKRLGCIKIAASLKGI 193

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0  
Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Issued Patents AA.\*  
1: /cgn2\_6/ptodata/1/iaa/5 COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/6 COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/H COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/PCRUS COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/RE COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	112	58.0	178	2	US-09-183-841-2
2	112	58.0	193	2	US-09-183-841-1
3	10	5.2	362	2	US-09-902-540-12082
4	9	4.7	262	2	US-08-961-083-98
5	9	4.7	262	2	US-09-936-784-98
6	9	4.7	262	2	US-09-765-271-98
7	9	4.7	262	2	US-09-765-272A-98
8	9	4.7	270	2	US-08-961-083-206
9	9	4.7	270	2	US-09-536-784-206
10	9	4.7	270	2	US-09-765-271-206
11	9	4.7	270	2	US-09-765-272A-206
12	9	4.7	291	2	US-09-583-110-4201
13	9	4.7	328	2	US-09-107-433-3318
14	8	4.1	390	2	US-09-949-016-6952
15	8	4.1	444	2	US-09-252-991A-20496
16	8	4.1	563	2	US-09-252-991A-23790
17	8	4.1	769	2	US-09-320-878-12
18	8	4.1	769	2	US-09-141-908-10
19	8	4.1	769	2	US-09-657-440-12
20	8	4.1	769	2	US-09-793-708-12
21	8	4.1	809	2	US-09-105-537-24
22	8	4.1	3782	2	US-09-105-537-4
23	7	3.6	85	2	US-09-270-767-32129
24	7	3.6	85	2	US-09-270-767-47346
25	7	3.6	96	2	US-08-936-165A-401
26	7	3.6	103	2	US-09-270-767-33345
27	7	3.6	103	2	US-09-270-767-48562

28	7	3.6	115	2	US-09-746-801A-47	Sequence 47, Appl
29	7	3.6	115	2	US-10-719-885-47	Sequence 47, Appl
30	7	3.6	150	2	US-10-442-174A-1	Sequence 1, Appli
31	7	3.6	153	2	US-09-199-637A-213	Sequence 213, App
32	7	3.6	168	2	US-09-902-540-16420	Sequence 16420, A
33	7	3.6	170	2	US-09-205-258-1011	Sequence 1011, Ap
34	7	3.6	170	2	US-10-004-860-1011	Sequence 1011, Ap
35	7	3.6	213	2	US-09-902-540-13301	Sequence 13301, A
36	7	3.6	267	2	US-09-489-039A-12889	Sequence 12889, A
37	7	3.6	269	2	US-09-543-681A-6475	Sequence 6475, Ap
38	7	3.6	285	1	US-08-149-809-24	Sequence 24, Appl
39	7	3.6	287	2	US-09-540-236-2879	Sequence 2879, Ap
40	7	3.6	301	2	US-09-902-540-11985	Sequence 11985, A
41	7	3.6	315	2	US-09-252-991A-31850	Sequence 31850, A
42	7	3.6	324	2	US-09-489-039A-7803	Sequence 7803, Ap
43	7	3.6	325	1	US-08-828-242-4	Sequence 4, Appli
44	7	3.6	325	2	US-09-206-499-4	Sequence 4, Appli
45	7	3.6	331	1	US-08-828-242-3	Sequence 3, Appli
46	7	3.6	331	1	US-08-910-927B-5	Sequence 5, Appli
47	7	3.6	331	2	US-09-206-499-3	Sequence 3, Appli
48	7	3.6	331	2	US-09-270-270-5	Sequence 5, Appli
49	7	3.6	331	2	US-09-961-403-11	Sequence 11, Appl
50	7	3.6	344	2	US-09-605-703B-180	Sequence 180, App
51	7	3.6	348	2	US-09-949-016-9513	Sequence 9513, Ap
52	7	3.6	355	2	US-09-580-929-5	Sequence 5, Appli
53	7	3.6	364	2	US-09-205-258-1008	Sequence 1008, Ap
54	7	3.6	364	2	US-10-004-860-1008	Sequence 1008, Ap
55	7	3.6	369	2	US-09-489-039A-8053	Sequence 8053, Ap
56	7	3.6	370	2	US-09-543-681A-4353	Sequence 4353, Ap
57	7	3.6	381	2	US-09-257-580-2	Sequence 2, Appli
58	7	3.6	473	2	US-09-605-703B-2420	Sequence 2420, Ap
59	7	3.6	487	2	US-09-902-540-10085	Sequence 10085, A
60	7	3.6	492	2	US-09-252-991A-32203	Sequence 32203, A
61	7	3.6	536	2	US-09-188-930-185	Sequence 185, App
62	7	3.6	536	2	US-09-312-283C-185	Sequence 185, App
63	7	3.6	590	2	US-09-312-283C-409	Sequence 409, App
64	7	3.6	605	2	US-09-252-991A-24349	Sequence 24349, A
65	7	3.6	631	2	US-09-328-352-6860	Sequence 6860, Ap
66	7	3.6	690	2	US-09-422-840B-6	Sequence 6, Appli
67	7	3.6	694	1	US-08-895-522-4	Sequence 4, Appli
68	7	3.6	694	2	US-09-195-391-4	Sequence 4, Appli
69	7	3.6	694	2	US-09-252-991A-22481	Sequence 27, Appl
70	7	3.6	760	2	US-09-513-057C-27	Sequence 27, Appl
71	7	3.6	760	2	US-09-746-801A-27	Sequence 27, Appl
72	7	3.6	760	2	US-10-719-885-27	Sequence 27, Appl
73	7	3.6	786	2	US-09-509-802-2	Sequence 2, Appli
74	7	3.6	787	2	US-09-188-930-334	Sequence 334, App
75	7	3.6	787	2	US-09-312-283C-334	Sequence 334, App
76	7	3.6	794	2	US-09-134-000C-5518	Sequence 5518, Ap
77	7	3.6	833	2	US-09-949-016-9530	Sequence 9530, Ap
78	7	3.6	966	2	US-09-949-016-6669	Sequence 6669, Ap
79	6	3.1	20	2	US-09-521-527C-3	Sequence 3, Appli
80	6	3.1	22	2	US-09-028-937-14	Sequence 14, Appl
81	6	3.1	23	2	US-09-270-767-58789	Sequence 58789, A
82	6	3.1	24	2	US-09-270-767-61359	Sequence 61359, A
83	6	3.1	24	2	US-09-080-140-29	Sequence 29, Appl
84	6	3.1	34	2	US-09-839-577A-15	Sequence 15, Appl
85	6	3.1	35	2	US-09-148-545-204	Sequence 204, App
86	6	3.1	35	2	US-09-621-011-204	Sequence 204, App
87	6	3.1	44	2	US-09-205-258-1196	Sequence 1196, Ap
88	6	3.1	44	2	US-10-004-860-1196	Sequence 1196, Ap
89	6	3.1	49	2	US-09-205-258-566	Sequence 566, App
90	6	3.1	49	2	US-10-004-860-566	Sequence 566, App
91	6	3.1	50	2	US-09-148-545-223	Sequence 223, App
92	6	3.1	50	2	US-09-621-011-223	Sequence 223, App
93	6	3.1	54	2	US-09-513-999C-7761	Sequence 7761, Ap
94	6	3.1	55	2	US-09-270-767-62426	Sequence 62426, A
95	6	3.1	56	4	PCT-US92-08558-8	Sequence 8, Appli
96	6	3.1	59	2	US-09-902-540-11395	Sequence 11395, A
97	6	3.1	61	2	US-09-248-796A-25577	Sequence 25577, A
98	6	3.1	65	2	US-08-663-082-2	Sequence 2, Appli
99	6	3.1	66	2	US-09-107-532A-6727	Sequence 6727, Ap
100	6	3.1	68	2	US-09-471-276-901	Sequence 901, App

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101 6 3.1 69 2 US-09-489-039A-9111 Sequence 9111, Ap
102 6 3.1 69 2 US-09-270-767-37021 Sequence 37021, A
103 6 3.1 69 2 US-09-270-767-52238 Sequence 52238, A
104 6 3.1 69 2 US-09-513-999C-7715 Sequence 7715, Ap
105 6 3.1 70 2 US-09-543-681A-6269 Sequence 6269, Ap
106 6 3.1 70 2 US-09-489-039A-8070 Sequence 8070, Ap
107 6 3.1 70 2 US-09-489-039A-8701 Sequence 8701, Ap
108 6 3.1 70 2 US-09-489-039A-11761 Sequence 11761, A
109 6 3.1 73 2 US-09-248-796A-23623 Sequence 23623, A
110 6 3.1 77 1 US-08-102-385G-29 Sequence 29, Appl
111 6 3.1 80 2 US-09-673-395A-366 Sequence 366, App
112 6 3.1 81 2 US-09-248-796A-22652 Sequence 22652, A
113 6 3.1 86 2 US-09-732-210-749 Sequence 749, App
114 6 3.1 86 2 US-09-540-236-2043 Sequence 2043, Ap
115 6 3.1 86 2 US-09-540-236-2221 Sequence 2221, Ap
116 6 3.1 86 2 US-09-540-236-2735 Sequence 2735, Ap
117 6 3.1 88 2 US-09-270-767-58476 Sequence 58476, A
118 6 3.1 88 2 US-09-902-540-10178 Sequence 10178, A
119 6 3.1 88 2 US-09-303-518D-836 Sequence 836, App
120 6 3.1 90 2 US-09-248-796A-25864 Sequence 25864, A
121 6 3.1 90 2 US-09-809-665A-147 Sequence 147, Appl
122 6 3.1 90 2 US-09-303-518D-6 Sequence 6, Appli
123 6 3.1 91 2 US-09-270-767-49094 Sequence 49094, A
124 6 3.1 92 1 US-08-737-825-7 Sequence 7, Appli
125 6 3.1 94 2 US-09-583-110-4258 Sequence 4258, Ap
126 6 3.1 94 2 US-09-248-796A-22819 Sequence 22819, A
127 6 3.1 95 2 US-09-248-796A-22902 Sequence 22902, A
128 6 3.1 95 2 US-09-513-999C-6356 Sequence 6356, Ap
129 6 3.1 95 2 US-09-107-433-3511 Sequence 3511, Ap
130 6 3.1 99 2 US-09-732-210-980 Sequence 980, App
131 6 3.1 100 2 US-09-252-991A-31514 Sequence 31514, A
132 6 3.1 100 2 US-09-248-796A-19747 Sequence 19747, A
133 6 3.1 100 2 US-09-471-276-1310 Sequence 1310, Ap
134 6 3.1 101 2 US-09-621-976-3885 Sequence 3885, Ap
135 6 3.1 101 2 US-09-492-709A-333 Sequence 333, App
136 6 3.1 102 2 US-08-466-368-8 Sequence 8, Appli
137 6 3.1 102 2 US-08-470-998-5 Sequence 5, Appli
138 6 3.1 102 2 US-09-289-198-308 Sequence 308, App
139 6 3.1 102 2 US-09-429-755-308 Sequence 308, App
140 6 3.1 102 2 US-08-328-500-13 Sequence 13, Appl
141 6 3.1 102 2 US-09-699-295-308 Sequence 308, App
142 6 3.1 102 2 US-09-534-825A-308 Sequence 308, App
143 6 3.1 103 2 US-09-198-452A-378 Sequence 378, App
144 6 3.1 103 2 US-09-902-540-14544 Sequence 14544, A
145 6 3.1 104 2 US-09-602-787A-304 Sequence 304, App
146 6 3.1 105 1 US-08-301-915-2 Sequence 2, Appli
147 6 3.1 105 2 US-08-524-694A-2 Sequence 2, Appli
148 6 3.1 105 2 US-09-454-156A-2 Sequence 2, Appli
149 6 3.1 106 2 US-09-113-977C-46 Sequence 46, Appl
150 6 3.1 106 2 US-09-351-048A-46 Sequence 46, Appl
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ALIGNMENTS

```
RESULT 1
US-09-183-841-2
; Sequence 2, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: His tag at residues 1 to 17
```

```
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: amino acid
; OTHER INFORMATION: sequence of GM2 protein using His6 tag
US-09-183-841-2

Query Match          58.0%; Score 112; DB 2; Length 178;
Best Local Similarity 100.0%; Pred. No. 5.2e-102;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 41 EGKDPAVIRSLTLEPDPPIVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
    |||||||
Db 26 EGKDPAVIRSLTLEPDPPIVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 85

Qy 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEF 152
    |||||||
Db 86 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEF 137

RESULT 2
US-09-183-841-1
; Sequence 1, Application US/09183841
; Patent No. 6423680
; GENERAL INFORMATION:
; APPLICANT: Hospital for Sick Children
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor
; FILE REFERENCE: vanz0010
; CURRENT APPLICATION NUMBER: US/09/183,841
; CURRENT FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (33)..(55)
; FEATURE:
; OTHER INFORMATION: residues 56-63 are included in a further precursor
; OTHER INFORMATION: form of the protein
US-09-183-841-1

Query Match          58.0%; Score 112; DB 2; Length 193;
Best Local Similarity 100.0%; Pred. No. 5.6e-102;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 41 EGKDPAVIRSLTLEPDPPIVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100
    |||||||
Db 41 EGKDPAVIRSLTLEPDPPIVPGNVTLVVGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT 100

Qy 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEF 152
    |||||||
Db 101 DYIGSCTFEHFCVDLMDLIPTGEPCEPLRTYGLPCHCPFKEGTYSLPKSEF 152

RESULT 3
US-09-902-540-12082
; Sequence 12082, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 12082
; LENGTH: 362
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; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-12082

Query Match      5.2%; Score 10; DB 2; Length 362;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 PLLIALGLLL 17
      |||||
Db      231 PLLIALGLLL 240

RESULT 4
US-08-961-083-98
; Sequence 98, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,083
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; APPLICATION NUMBER: US/08/961,083
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-961-083-98

Query Match      4.7%; Score 9; DB 2; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
      |||||
Db      155 LSVVGSTSV 163

RESULT 5
US-09-536-784-98
; Sequence 98, Application US/09536784
; Patent No. 6573082
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
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```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/536,784
; FILING DATE: 30-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-09-536-784-98

Query Match      4.7%; Score 9; DB 2; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
      |||||
Db      155 LSVVGSTSV 163

RESULT 6
US-09-765-271-98
; Sequence 98, Application US/09765271
; Patent No. 6887663
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,271
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/536,784
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/961,083
```

```

; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-09-765-271-98

Query Match          4.7%; Score 9; DB 2; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
Db      155 LSVVGSTSV 163

RESULT 7
US-09-765-272A-98
; Sequence 98, Application US/09765272A
; Patent No. 6929930
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 454
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: Dell Latitude C610
; OPERATING SYSTEM: Windows 2000
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,272A
; FILING DATE: 22-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Lin J. Hymel
; REGISTRATION NUMBER: 45,414
; REFERENCE/DOCKET NUMBER: PB340P2C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 610-5790
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-09-765-272A-98

Query Match          4.7%; Score 9; DB 2; Length 262;
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Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
Db      155 LSVVGSTSV 163

RESULT 8
US-08-961-083-206
; Sequence 206, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,083
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 206:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-961-083-206

Query Match          4.7%; Score 9; DB 2; Length 270;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      66 LSVVGSTSV 74
Db      163 LSVVGSTSV 171

RESULT 9
US-09-536-784-206
; Sequence 206, Application US/09536784
; Patent No. 6573082
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
```

; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/536,784  
; FILING DATE: 30-Oct-1997  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: OCT-30-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Michelle S. Marks  
; REGISTRATION NUMBER: 41,971  
; REFERENCE/DOCKET NUMBER: PB340P3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 206:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:  
US-09-536-784-206

Query Match 4.7%; Score 9; DB 2; Length 270;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGSTSV 74  
| | | | |  
Db 163 LSVVGSTSV 171

## RESULT 10

US-09-765-271-206  
; Sequence 206, Application US/09765271  
; Patent No. 6887663  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 452  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/765,271  
; FILING DATE: 22-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/536,784  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: OCT-30-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Michelle S. Marks  
; REGISTRATION NUMBER: 41,971  
; REFERENCE/DOCKET NUMBER: PB340P3

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 206:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:  
US-09-765-271-206

Query Match 4.7%; Score 9; DB 2; Length 270;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGSTSV 74  
| | | | |  
Db 163 LSVVGSTSV 171

## RESULT 11

US-09-765-272A-206  
; Sequence 206, Application US/09765272A  
; Patent No. 6929930  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 454  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: Dell Latitude C610  
; OPERATING SYSTEM: Windows 2000  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/765,272A  
; FILING DATE: 22-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: OCT-30-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lin J. Hymel  
; REGISTRATION NUMBER: 45,414  
; REFERENCE/DOCKET NUMBER: PB340P2C2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 610-5790  
; TELEFAX: (301) 309-8439  
; INFORMATION FOR SEQ ID NO: 206:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 206:  
US-09-765-272A-206

Query Match 4.7%; Score 9; DB 2; Length 270;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 LSVVGSTSV 74  
| | | | |

Db 163 LSVVGSTSV 171

RESULT 12

US-09-583-110-4201

; Sequence 4201, Application US/09583110

; Patent No. 6699703

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al.

; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics

; FILE REFERENCE: PATH00-07A

; CURRENT APPLICATION NUMBER: US/09/583,110

; CURRENT FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/107,433

; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: US 60/085,131

; PRIOR FILING DATE: 1998-05-12

; PRIOR APPLICATION NUMBER: US 60/051,553

; PRIOR FILING DATE: 1997-07-02

; NUMBER OF SEQ ID NOS: 5322

; SEQ ID NO 4201

; LENGTH: 291

; TYPE: PRT

; ORGANISM: Streptococcus pneumoniae

US-09-583-110-4201

Query Match 4.7%; Score 9; DB 2; Length 291;

Best Local Similarity 100.0%; Pred. No. 1.2;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74

Db 184 LSVVGSTSV 192

RESULT 13

US-09-107-433-3318

; Sequence 3318, Application US/09107433

; Patent No. 6800744

; GENERAL INFORMATION:

; APPLICANT: Lynn A Doucette-Stamm and David Bush

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID

; TITLE OF INVENTION: SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO

; THERAPEUTICS

; NUMBER OF SEQUENCES: 5206

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: GENOME THERAPEUTICS CORPORATION

; STREET: 100 Beaver Street

; CITY: Waltham

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02354

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-ROM ISO9660

; COMPUTER: <Unknown>

; OPERATING SYSTEM: <Unknown>

; SOFTWARE: <Unknown>

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/107,433

; FILING DATE: 30-Jun-1998

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/ 085131

; FILING DATE: May 12, 1998

; APPLICATION NUMBER: 60/051553

; FILING DATE: July 2, 1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Ariniello, Pamela Deneke

; REGISTRATION NUMBER: 40,489

; REFERENCE/DOCKET NUMBER: GTC-011

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (781)893-5007

; TELEFAX: (781)893-8277

; INFORMATION FOR SEQ ID NO: 3318:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 328 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: YES

; ORIGINAL SOURCE:

; ORGANISM: Streptococcus pneumoniae

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (B) LOCATION 1...328

; SEQUENCE DESCRIPTION: SEQ ID NO: 3318:

US-09-107-433-3318

Query Match 4.7%; Score 9; DB 2; Length 328;

Best Local Similarity 100.0%; Pred. No. 1.3;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 66 LSVVGSTSV 74

Db 221 LSVVGSTSV 229

RESULT 14

US-09-949-016-6952

; Sequence 6952, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 6952

; LENGTH: 390

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-6952

Query Match 4.1%; Score 8; DB 2; Length 390;

Best Local Similarity 100.0%; Pred. No. 15;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVAGL 93

Db 277 LEKEVAGL 284

RESULT 15

US-09-252-991A-20496

; Sequence 20496, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

```
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20496
; LENGTH: 444
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (31)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-252-991A-20496
```

```
Query Match          4.1%; Score 8; DB 2; Length 444;
Best Local Similarity 100.0%; Pred. No. 16;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 IALGLLLA 18
          |||||
Db      162 IALGLLLA 169
```

## RESULT 16

```
US-09-252-991A-23790
; Sequence 23790, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
```

```
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23790
; LENGTH: 563
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
```

```
US-09-252-991A-23790
```

```
Query Match          4.1%; Score 8; DB 2; Length 563;
Best Local Similarity 100.0%; Pred. No. 20;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
          |||||
Db      60 GLLLATPA 67
```

## RESULT 17

```
US-09-320-878-12
; Sequence 12, Application US/09320878A
; Patent No. 6117659
; GENERAL INFORMATION:
```

```
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120
; CURRENT APPLICATION NUMBER: US/09/320,878A
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: CIP OF 09/141,908
; EARLIER FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: CIP OF 09/073,538
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: CIP OF 08/846,247
; EARLIER FILING DATE: 1997-04-30
; EARLIER APPLICATION NUMBER: 60/119,139
; EARLIER FILING DATE: 1999-02-08
```

```
; EARLIER APPLICATION NUMBER: 60/100,880
; EARLIER FILING DATE: 1998-09-22
; EARLIER APPLICATION NUMBER: 60/087,080
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
US-09-320-878-12
```

```
Query Match          4.1%; Score 8; DB 2; Length 769;
Best Local Similarity 100.0%; Pred. No. 27;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
          |||||
Db      285 GLLLATPA 292
```

## RESULT 18

```
US-09-141-908-10
; Sequence 10, Application US/09141908
; Patent No. 6503741
; GENERAL INFORMATION:
```

```
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: Combinatorial Polyketide Libraries Produced Using a
; TITLE OF INVENTION: Modular PKS Gene Cluster as Scaffold
; FILE REFERENCE: 300622002100
; CURRENT APPLICATION NUMBER: US/09/141,908
; CURRENT FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: CIP OF 09/073,538
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: CIP OF 08/846,247
; EARLIER FILING DATE: 1997-04-30
; EARLIER APPLICATION NUMBER: PROV. 60/076,919
; EARLIER FILING DATE: 1998-03-05
; EARLIER APPLICATION NUMBER: PROV. 60/087,080
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Streptomyces venezuelae
```

```
Query Match          4.1%; Score 8; DB 2; Length 769;
Best Local Similarity 100.0%; Pred. No. 27;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      14 GLLLATPA 21
          |||||
Db      285 GLLLATPA 292
```

## RESULT 19

```
US-09-657-440-12
; Sequence 12, Application US/09657440
; Patent No. 6509455
; GENERAL INFORMATION:
```

```
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120
```



```
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 157 LELPSWL 163
    |||||
Db 53 LELPSWL 59

RESULT 24
US-09-270-767-47346
; Sequence 47346, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47346
; LENGTH: 85
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47346

Query Match 3.6%; Score 7; DB 2; Length 85;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 157 LELPSWL 163
    |||||
Db 53 LELPSWL 59

RESULT 25
US-08-936-165A-401
; Sequence 401, Application US/08936165A
; Patent No. 6348582
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Burnham, Martin
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Lonetto, Michael
; APPLICANT: Nicholas, Richard
; APPLICANT: Pratt, Julie
; APPLICANT: Reichard, Richard
; APPLICANT: Rosenberg, Martin
; APPLICANT: Ward, Judith
; TITLE OF INVENTION: No. 6348582el Prokaryotic Polynucleotides,
; TITLE OF INVENTION: Polypeptides and Their Uses
; NUMBER OF SEQUENCES: 534
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,165A
; FILING DATE: 24-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/027,032
; FILING DATE: 24-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R
```

```
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50549
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 401:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 96 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-936-165A-401

Query Match 3.6%; Score 7; DB 2; Length 96;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 85 VLEKEVA 91
    |||||
Db 77 VLEKEVA 83

RESULT 26
US-09-270-767-33345
; Sequence 33345, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33345
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-33345

Query Match 3.6%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 47 VIRSLTL 53
    |||||
Db 24 VIRSLTL 30

RESULT 27
US-09-270-767-48562
; Sequence 48562, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48562
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-48562

Query Match 3.6%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```



```
Qy      47 VIRSLTL 53
Db      24 VIRSLTL 30

RESULT 28
US-09-746-801A-47
; Sequence 47, Application US/09746801A
; Patent No. 6689940
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/746,801A
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
US-09-746-801A-47

Query Match      3.6%; Score 7; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
Db      29 SSSGKRL 35

RESULT 29
US-10-719-885-47
; Sequence 47, Application US/10719885
; Patent No. 6903192
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/10/719,885
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US/09/746,801A
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Xanthium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = uncertain amino acid residue
US-10-719-885-47

Query Match      3.6%; Score 7; DB 2; Length 115;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
Db      29 SSSGKRL 35

RESULT 30
US-10-442-174A-1
; Sequence 1, Application US/10442174A
; Patent No. 6927280
```

```
; GENERAL INFORMATION:
; APPLICANT: Societe des Produits Nestle
; APPLICANT: Kochhar, Sunil
; APPLICANT: Hansen, Carl Eric
; APPLICANT: Juillerat, Marcel Alexandre
; APPLICANT: James, McCarthy
; TITLE OF INVENTION: COCOA ALBUMIN AND USE IN COCOA AND CHOCOLATE PRODUCTION
; FILE REFERENCE: 88265-6838
; CURRENT APPLICATION NUMBER: US/10/442,174A
; CURRENT FILING DATE: 2003-05-21
; PRIOR APPLICATION NUMBER: PCT/EP01/13536
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: EP00125523.1
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Theobroma cacao
US-10-442-174A-1

Query Match      3.6%; Score 7; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      13 LGLLLAT 19
Db      4 LGLLLAT 10

RESULT 31
US-09-199-637A-213
; Sequence 213, Application US/09199637A
; Patent No. 6355411
; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick
; APPLICANT: Goodman, Howard M.
; APPLICANT: Rahme, Laurence G.
; APPLICANT: Mahajan-Miklos, Shalina
; APPLICANT: Tan, Man-Wah
; APPLICANT: Cao, Hui
; APPLICANT: Drenkard, Eliana
; APPLICANT: Tsongalis, John
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; TITLE OF INVENTION: SEQUENCES AND USES THEREOF
; FILE REFERENCE: 00786/361002
; CURRENT APPLICATION NUMBER: US/09/199,637A
; CURRENT FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: 60/066,517
; PRIOR FILING DATE: 1997-11-25
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-199-637A-213

Query Match      3.6%; Score 7; DB 2; Length 153;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      13 LGLLLAT 19
Db      70 LGLLLAT 76

RESULT 32
US-09-902-540-16420
; Sequence 16420, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
```

; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 16420  
; LENGTH: 168  
; TYPE: PRT  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-16420

Query Match 3.6%; Score 7; DB 2; Length 168;  
Best Local Similarity 100.0%; Pred. No. 66;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IALGLLL 17  
Db 121 IALGLLL 127

RESULT 33  
US-09-205-258-1011  
; Patent No. 525174  
; Sequence 1011, Application US/09205258  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; FILE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: PZ007P1  
; CURRENT APPLICATION NUMBER: US/09/205,258  
; CURRENT FILING DATE: 1998-12-04  
; EARLIER APPLICATION NUMBER: PCT/US98/11422  
; EARLIER FILING DATE: 1998-06-04  
; EARLIER APPLICATION NUMBER: 60/048,885  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,375  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,881  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,880  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,896  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,020  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,876  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,895  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,884  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,894  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,971  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,964  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,882  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,899  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,893  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,900  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,901  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,892

; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,915  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,019  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,972  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,916  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,373  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,875  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,374  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,917  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,949  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,974  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,883  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,897  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,898  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,962  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,963  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,877  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,878  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/070,923  
; EARLIER FILING DATE: 1997-12-18  
; EARLIER APPLICATION NUMBER: 60/092,921  
; EARLIER FILING DATE: 1998-07-15  
; EARLIER APPLICATION NUMBER: 60/094,657  
; EARLIER FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1011  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (65)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (118)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-205-258-1011

Query Match 3.6%; Score 7; DB 2; Length 170;  
Best Local Similarity 100.0%; Pred. No. 67;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131  
Db 104 CPEPLRT 110

RESULT 34  
US-10-004-860-1011  
; Sequence 1011, Application US/10004860  
; Patent No. 6914047  
; GENERAL INFORMATION:

```
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1011
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-004-860-1011

Query Match          3.6%; Score 7; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      125 CPEPLRT 131
Db      104 CPEPLRT 110

RESULT 35
US-09-902-540-13301
; Sequence 13301, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13301
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13301

Query Match          3.6%; Score 7; DB 2; Length 213;
Best Local Similarity 100.0%; Pred. No. 82;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      66 LSVVGST 72
Db      151 LSVVGST 157

RESULT 36
US-09-489-039A-12889
; Sequence 12889, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
;
```

```
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12889
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12889

Query Match          3.6%; Score 7; DB 2; Length 267;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 ALGLLLA 18
Db      52 ALGLLLA 58

RESULT 37
US-09-543-681A-6475
; Sequence 6475, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 6475
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-6475

Query Match          3.6%; Score 7; DB 2; Length 269;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      14 GLLLATP 20
Db      95 GLLLATP 101

RESULT 38
US-08-149-809-24
; Sequence 24, Application US/08149809
; Patent No. 5449669
; GENERAL INFORMATION:
; APPLICANT: METCALFE, Dean D.
; APPLICANT: MARTIN, Brian M.
; APPLICANT: RAO, Pillarisetti V.S.
; TITLE OF INVENTION: IGE-BINDING EPITOPES OF A MAJOR
; TITLE OF INVENTION: HEAT-STABLE CRUSTACEAN ALLERGEN DERIVED FROM SHRIMP
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/149,809
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
;
```

ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 40399/183/NIHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202)672-5300  
TELEFAX: (202)672-5399  
TELEX: 904136  
INFORMATION FOR SEQ ID NO: 24:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 285 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-149-809-24

Query Match 3.6%; Score 7; DB 1; Length 285;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 83 DLVLEKE 89  
|||  
Db 259 DLVLEKE 265

RESULT 39  
US-09-540-236-2879  
; Sequence 2879, Application US/09540236  
; Patent No. 6673910  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARRHALIS  
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2005-001  
; CURRENT APPLICATION NUMBER: US/09/540,236  
; CURRENT FILING DATE: 2000-04-04  
; NUMBER OF SEQ ID NOS: 3840  
; SEQ ID NO 2879  
; LENGTH: 287  
; TYPE: PRT  
; ORGANISM: M.catarrhalis  
US-09-540-236-2879

Query Match 3.6%; Score 7; DB 2; Length 287;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 KKPSQLS 32  
|||  
Db 137 KKPSQLS 143

RESULT 40  
US-09-902-540-11985  
; Sequence 11985, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 11985  
; LENGTH: 301  
; TYPE: PRT  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-11985

Query Match 3.6%; Score 7; DB 2; Length 301;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 80 LKVDLVL 86  
|||  
Db 110 LKVDLVL 116

RESULT 41  
US-09-252-991A-31850  
; Sequence 31850, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 31850  
; LENGTH: 315  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-31850

Query Match 3.6%; Score 7; DB 2; Length 315;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19  
|||  
Db 31 LGLLLAT 37

RESULT 42  
US-09-489-039A-7803  
; Sequence 7803, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 7803  
; LENGTH: 324  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-7803

Query Match 3.6%; Score 7; DB 2; Length 324;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IALGLLL 17  
|||  
Db 67 IALGLLL 73

RESULT 43  
US-08-828-242-4  
; Sequence 4, Application US/08828242  
; Patent No. 5871970

```
;
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,242
; FILING DATE: Filed Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 220582
; US-08-828-242-4
```

Query Match 3.6%; Score 7; DB 1; Length 325;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18  
|||  
Db 10 ALGLLLA 16

```
RESULT 44
US-09-206-499-4
; Sequence 4, Application US/09206499
; Patent No. 6194385
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
```

```
;
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/206,499
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,242
; FILING DATE: 03/31/1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 220582
; US-09-206-499-4
```

Query Match 3.6%; Score 7; DB 2; Length 325;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLLA 18  
|||  
Db 10 ALGLLLA 16

```
RESULT 45
US-08-828-242-3
; Sequence 3, Application US/08828242
; Patent No. 5871970
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,242
; FILING DATE: Filed Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0261 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
```

; LENGTH: 331 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1262329  
US-08-828-242-3

Query Match 3.6%; Score 7; DB 1; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18  
|||  
Db 13 ALGLLLA 19

## RESULT 46

US-08-910-927B-5  
; Sequence 5, Application US/08910927B  
; Patent No. 5976801  
; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: HUMAN RETICULOCALBIN ISOFORMS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/910,927B  
; FILING DATE: Hereewith  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0358 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; TELEX:

; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 331 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1262329  
US-08-910-927B-5

Query Match 3.6%; Score 7; DB 1; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18

Db 13 ALGLLLA 19  
|||  
|||

## RESULT 47

US-09-206-499-3  
; Sequence 3, Application US/09206499  
; Patent No. 6194385  
; GENERAL INFORMATION:

; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING  
; TITLE OF INVENTION: PROTEIN  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/206,499  
; FILING DATE:  
; CLASSIFICATION:

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/828,242  
; FILING DATE: 03/31/1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0261 US

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 331 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1262329  
US-09-206-499-3

Query Match 3.6%; Score 7; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18  
|||  
Db 13 ALGLLLA 19

## RESULT 48

US-09-270-270-5  
; Sequence 5, Application US/09270270  
; Patent No. 6235477  
; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: HUMAN RETICULOCALBIN ISOFORMS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/270,270  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/910,927  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0358 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 331 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 1262329  
US-09-270-270-5

Query Match 3.6%; Score 7; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18  
Db 13 ALGLLLA 19

RESULT 49  
US-09-961-403-11  
Sequence 11, Application US/09961403  
Patent No. 6780594  
GENERAL INFORMATION:  
APPLICANT: HE-STUMPP, HOLGER  
APPLICANT: HAENDLER, BERNARD  
APPLICANT: KRAETZSCHMAR, JOERN  
APPLICANT: KREFT, BERTHOLT  
APPLICANT: WINTERHAGER, ELKE  
APPLICANT: REGIDOR, PEDRO  
APPLICANT: SCOTTI, SIMONE  
TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS  
FILE REFERENCE: SCH-1789  
CURRENT APPLICATION NUMBER: US/09/961,403  
CURRENT FILING DATE: 2001-09-25  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-961-403-11

Query Match 3.6%; Score 7; DB 2; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18  
Db 13 ALGLLLA 19  
RESULT 50  
US-09-605-703B-180  
Sequence 180, Application US/09605703B  
Patent No. 6962989  
GENERAL INFORMATION:  
APPLICANT: Pompejus, Markus  
APPLICANT: Kroger, Burkhard  
APPLICANT: Schroder, Hartwig  
APPLICANT: Zelder, Oskar  
APPLICANT: Haberhauer, Gregor  
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL  
TITLE OF INVENTION: PROTEINS  
FILE REFERENCE: BGI-129CP  
CURRENT APPLICATION NUMBER: US/09/605,703B  
CURRENT FILING DATE: 2000-06-27  
PRIOR APPLICATION NUMBER: 60/142,764  
PRIOR FILING DATE: 1999-07-08  
PRIOR APPLICATION NUMBER: 60/152,318  
PRIOR FILING DATE: 1999-09-03  
NUMBER OF SEQ ID NOS: 2934  
SEQ ID NO 180  
LENGTH: 344  
TYPE: PRT  
ORGANISM: Corynebacterium glutamicum  
US-09-605-703B-180

Query Match 3.6%; Score 7; DB 2; Length 344;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 160 PSWLTGTG 166  
Db 31 PSWLTGTG 37

RESULT 51  
US-09-949-016-9513  
Sequence 9513, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 9513  
LENGTH: 348  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9513

Query Match 3.6%; Score 7; DB 2; Length 348;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLLA 18  
Db 30 ALGLLLA 36



RESULT 52  
US-09-580-929-5  
; Sequence 5, Application US/09580929  
; Patent No. 6582910  
; GENERAL INFORMATION:  
; APPLICANT: Lam, Joseph S.  
; TITLE OF INVENTION: Wbpp and Method for Assay of Wbpp  
; FILE REFERENCE: 6580-189  
; CURRENT APPLICATION NUMBER: US/09/580,929  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/136,564  
; PRIOR FILING DATE: 1999-05-28  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 355  
; TYPE: PRT  
; ORGANISM: E. Coli  
US-09-580-929-5

Query Match 3.6%; Score 7; DB 2; Length 355;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 129 LRTYGLP 135  
|||  
Db 175 LRTYGLP 181

RESULT 53  
US-09-205-258-1008  
; Sequence 1008, Application US/09205258  
; Patent No. 6525174  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: PZ007P1  
; CURRENT APPLICATION NUMBER: US/09/205,258  
; CURRENT FILING DATE: 1998-12-04  
; EARLIER APPLICATION NUMBER: PCT/US98/11422  
; EARLIER FILING DATE: 1998-06-04  
; EARLIER APPLICATION NUMBER: 60/048,885  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,375  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,881  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,880  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,896  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,020  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,876  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,895  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,884  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,894  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,971  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,964  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,882  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,899  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,893

; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,900  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,901  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,892  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,915  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,019  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,972  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,916  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,373  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,875  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,374  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,974  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,883  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,897  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,898  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,962  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,963  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,877  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,878  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/070,923  
; EARLIER FILING DATE: 1997-12-18  
; EARLIER APPLICATION NUMBER: 60/092,921  
; EARLIER FILING DATE: 1998-07-15  
; EARLIER APPLICATION NUMBER: 60/094,657  
; EARLIER FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1008  
; LENGTH: 364  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (259)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (312)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-205-258-1008

Query Match 3.6%; Score 7; DB 2; Length 364;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 125 CPEPLRT 131  
|||  
Db 298 CPEPLRT 304

```
RESULT 54
US-10-004-860-1008
; Sequence 1008, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1008
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (259)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (312)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-004-860-1008
Query Match          3.6%; Score 7; DB 2; Length 364;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      125 CPEPLRT 131
      |||||||
Db      298 CPEPLRT 304

RESULT 55
US-09-489-039A-8053
; Sequence 8053, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8053
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8053
Query Match          3.6%; Score 7; DB 2; Length 369;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      129 LRTYGLP 135
      |||||||
Db      189 LRTYGLP 195

RESULT 56
US-09-543-681A-4353
; Sequence 4353, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
```

```
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4353
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4353
Query Match          3.6%; Score 7; DB 2; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      129 LRTYGLP 135
      |||||||
Db      190 LRTYGLP 196

RESULT 57
US-09-257-580-2
; Sequence 2, Application US/09257580
; Patent No. 6307036
; GENERAL INFORMATION:
; APPLICANT: Yorkshire Cancer Research
; TITLE OF INVENTION: Tumour Suppressor Gene
; FILE REFERENCE: Canine p53
; CURRENT APPLICATION NUMBER: US/09/257,580
; CURRENT FILING DATE: 1999-02-25
; PRIOR APPLICATION NUMBER: 9804178.3
; PRIOR FILING DATE: 1998-02-28
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Canis
US-09-257-580-2
Query Match          3.6%; Score 7; DB 2; Length 381;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      122 GPCPEP 128
      |||||||
Db      281 GPCPEP 287

RESULT 58
US-09-605-703B-2420
; Sequence 2420, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
; SEQ ID NO 2420
; LENGTH: 473
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; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-605-703B-2420

Query Match          3.6%; Score 7; DB 2; Length 473;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 172 SVLSSSG 178
Db 261 SVLSSSG 267

RESULT 59
US-09-902-540-10085
; Sequence 10085, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 10085
; LENGTH: 487
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-10085

Query Match          3.6%; Score 7; DB 2; Length 487;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLAT 19
Db 448 LGLLLAT 454

RESULT 60
US-09-252-991A-32203
; Sequence 32203, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32203
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32203

Query Match          3.6%; Score 7; DB 2; Length 492;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 PLLIALG 14
Db 323 PLLIALG 329
```

```
RESULT 61
US-09-188-930-185
; Sequence 185, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 185
; LENGTH: 536
; TYPE: PRT
; ORGANISM: mouse
US-09-188-930-185

Query Match          3.6%; Score 7; DB 2; Length 536;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 370 SSSGKRL 376

RESULT 62
US-09-312-283C-185
; Sequence 185, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 185
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-185

Query Match          3.6%; Score 7; DB 2; Length 536;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 370 SSSGKRL 376

RESULT 63
US-09-312-283C-409
; Sequence 409, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
```

; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 409
; LENGTH: 590
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-409

Query Match 3.6%; Score 7; DB 2; Length 590;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 SSSGKRL 181
Db 368 SSSGKRL 374

RESULT 64

US-09-252-991A-24349
; Sequence 24349, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24349
; LENGTH: 605
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24349

Query Match 3.6%; Score 7; DB 2; Length 605;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LIALGLL 16
Db 108 LIALGLL 114

RESULT 65

US-09-328-352-6860
; Sequence 6860, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6860
; LENGTH: 631
; TYPE: PRT

; ORGANISM: Acinetobacter baumannii
US-09-328-352-6860

Query Match 3.6%; Score 7; DB 2; Length 631;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 GLLLATP 20
Db 191 GLLLATP 197

RESULT 66

US-09-422-840B-6
; Sequence 6, Application US/09422840B
; Patent No. 6867017
; GENERAL INFORMATION:

; APPLICANT: Dean, Michael
; APPLICANT: Allikmets, Rando
; APPLICANT: Hutchinson, Amy A.
; TITLE OF INVENTION: ATP-BINDING TRANSPORTER (ABC7) AND METHODS FOR DETECTION OF ANEMIA
; TITLE OF INVENTION: ATAXIA
; FILE REFERENCE: 4239-63609
; CURRENT APPLICATION NUMBER: US/09/422,840B
; CURRENT FILING DATE: 1999-10-21
; PRIOR APPLICATION NUMBER: US 60/105,497
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 690
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-422-840B-6

Query Match 3.6%; Score 7; DB 2; Length 690;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LIALGLL 16
Db 112 LIALGLL 118

RESULT 67

US-08-895-522-4
; Sequence 4, Application US/08895522
; Patent No. 5858719
; GENERAL INFORMATION:

; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ATP-BINDING CASSETTE
; TITLE OF INVENTION: TRANSPORT PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/895,522
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

```
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0336 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 694 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 575393
US-08-895-522-4
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```
Query Match 3.6%; Score 7; DB 1; Length 694;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 LIALGLL 16
|||||
Db 116 LIALGLL 122
```

```
RESULT 68
US-09-195-391-4
; Sequence 4, Application US/09195391
; Patent No. 6080842
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ATP-BINDING CASSETTE
; TITLE OF INVENTION: TRANSPORT PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/09/195,391
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/895,522
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0336 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 694 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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```
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 575393
US-09-195-391-4
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```
Query Match 3.6%; Score 7; DB 2; Length 694;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 10 LIALGLL 16
|||||
Db 116 LIALGLL 122
```

```
RESULT 69
US-09-252-991A-22481
; Sequence 22481, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22481
; LENGTH: 694
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22481
```

```
Query Match 3.6%; Score 7; DB 2; Length 694;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 LIALGLL 16
|||||
Db 411 LIALGLL 417
```

```
RESULT 70
US-09-513-057C-27
; Sequence 27, Application US/09513057C
; Patent No. 6433251
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/513,057C
; CURRENT FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Oryza sativa
US-09-513-057C-27
```

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Query Match 3.6%; Score 7; DB 2; Length 760;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 175 SSSGKRL 181
|||||
Db 161 SSSGKRL 167
```

```
RESULT 71
```

```
US-09-746-801A-27
; Sequence 27, Application US/09746801A
; Patent No. 6689940
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/09/746,801A
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 27
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Oryza sativa
US-09-746-801A-27

Query Match          3.6%; Score 7; DB 2; Length 760;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
      |||||||
Db      161 SSSGKRL 167

RESULT 72
US-10-719-885-27
; Sequence 27, Application US/10719885
; Patent No. 6903192
; GENERAL INFORMATION:
; APPLICANT: Wagner, et al.
; TITLE OF INVENTION: GENES REGULATING CIRCADIAN CLOCK FUNCTION AND PHOTOPERIODISM
; FILE REFERENCE: 1505-54357
; CURRENT APPLICATION NUMBER: US/10/719,885
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US/09/746,801A
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 27
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-719-885-27

Query Match          3.6%; Score 7; DB 2; Length 760;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
      |||||||
Db      161 SSSGKRL 167

RESULT 73
US-09-509-802-2
; Sequence 2, Application US/09509802
; Patent No. 6489130
; GENERAL INFORMATION:
; APPLICANT: Immunex Corp.
; APPLICANT: Bird, Timothy
; APPLICANT: Virca, G.D.
; TITLE OF INVENTION: DEATH ASSOCIATED KINASE CONTAINING ANKYRIN REPEATS (DAKAR)
; FILE REFERENCE: 2889-US
; CURRENT APPLICATION NUMBER: US/09/509,802
; CURRENT FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 786
; TYPE: PRT
; ORGANISM: Mus sp.
```

```
US-09-509-802-2

Query Match          3.6%; Score 7; DB 2; Length 786;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
      |||||||
Db      367 SSSGKRL 373

RESULT 74
US-09-188-930-334
; Sequence 334, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 787
; TYPE: PRT
; ORGANISM: Mouse
US-09-188-930-334

Query Match          3.6%; Score 7; DB 2; Length 787;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
      |||||||
Db      368 SSSGKRL 374

RESULT 75
US-09-312-283C-334
; Sequence 334, Application US/09312283C
; Patent No. 6573095
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated from Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c2
; CURRENT APPLICATION NUMBER: US/09/312,283C
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 334
; LENGTH: 787
; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-334

Query Match          3.6%; Score 7; DB 2; Length 787;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      175 SSSGKRL 181
      |||||||
```

```
Db          368 SSSGKRL 374

RESULT 76
US-09-134-000C-5518
; Sequence 5518, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5518
; LENGTH: 794
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5518

Query Match          3.6%; Score 7; DB 2; Length 794;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          26 KKPSQLS 32
          |||||
Db          152 KKPSQLS 158

RESULT 77
US-09-949-016-9530
; Sequence 9530, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9530
; LENGTH: 833
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9530

Query Match          3.6%; Score 7; DB 2; Length 833;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          47 VIRSLTL 53
          |||||
Db          520 VIRSLTL 526

RESULT 78
US-09-949-016-6669
; Sequence 6669, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
```

```
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6669
; LENGTH: 966
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6669

Query Match          3.6%; Score 7; DB 2; Length 966;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          47 VIRSLTL 53
          |||||
Db          653 VIRSLTL 659

RESULT 79
US-09-521-527C-3
; Sequence 3, Application US/09521527C
; Patent No. 6790662
; GENERAL INFORMATION:
; APPLICANT: Leturcq, Didier
; TITLE OF INVENTION: Method of isolating CD8+ cells, and related hybridoma
; TITLE OF INVENTION: cells antibodies and polypeptides
; FILE REFERENCE: ORT1199
; CURRENT APPLICATION NUMBER: US/09/521,527C
; CURRENT FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,253
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:synthetic peptide
US-09-521-527C-3

Query Match          3.1%; Score 6; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          177 SGKRLG 182
          |||||
Db          15 SGKRLG 20

RESULT 80
US-09-028-937-14
; Sequence 14, Application US/09028937
; Patent No. 6333031
; GENERAL INFORMATION:
; APPLICANT: Olsson, Lennart
; APPLICANT: Naranda, Tatjana
; TITLE OF INVENTION: Receptor Derived Peptides As Modulators
; TITLE OF INVENTION: Of Receptor Activity
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
; STREET: 4 Embarcadero Center, Suite 3400
```



;  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/028,937  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/788,820  
; FILING DATE: 23-JAN-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/701,382  
; FILING DATE: 22-AUG-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/612,999  
; FILING DATE: 08-MAR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Silva, Robin M.  
; REGISTRATION NUMBER: 38,304  
; REFERENCE/DOCKET NUMBER: A-63139-3/RFT/RMS  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 949-8711  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 22 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: unknown  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; US-09-028-937-14

Query Match 3.1%; Score 6; DB 2; Length 22;  
Best Local Similarity 100.0%; Pred.No. 1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 LLIALG 14  
Db 14 LLIALG 19

RESULT 81  
US-09-270-767-58789  
; Sequence 58789, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 58789  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; US-09-270-767-58789

Query Match 3.1%; Score 6; DB 2; Length 23;  
Best Local Similarity 100.0%; Pred.No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 70 GSTSVP 75  
Db 6 GSTSVP 11

RESULT 82  
US-09-270-767-61359  
; Sequence 61359, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 61359  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; US-09-270-767-61359

Query Match 3.1%; Score 6; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred.No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LIALGL 15  
Db 16 LIALGL 21

RESULT 83  
US-09-080-140-29  
; Sequence 29, Application US/09080140  
; Patent No. 6890749  
; GENERAL INFORMATION:  
; APPLICANT: BILLING-MEDEL, PATRICIA  
; APPLICANT: COHEN, MAURICE  
; APPLICANT: COLPITTS, TRACEY L.  
; APPLICANT: FRIEDMAN, PAULA N.  
; APPLICANT: GORDON, JULIAN  
; APPLICANT: GRANADOS, EDWARD N.  
; APPLICANT: HODGES, STEVEN C.  
; APPLICANT: KLASS, MICHAEL R.  
; APPLICANT: KRATOCHVIL, JON D.  
; APPLICANT: ROBERTS-RAPP, LISA  
; APPLICANT: RUSSELL, JOHN C.  
; APPLICANT: STROUPE, STEPHEN D.  
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Abbott Laboratories  
; STREET: 100 Abbott Park Road  
; CITY: Abbott Park  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/080,140  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/856,653  
; FILING DATE: 15-MAY-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Becker, Cheryl L.  
; REGISTRATION NUMBER: 35,441  
; REFERENCE/DOCKET NUMBER: 6105.US.P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 847/935-1729

```

; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6890749e
US-09-080-140-29

Query Match 3.1%; Score 6; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 ALGLLL 17
Db 13 ALGLLL 18

RESULT 84
US-09-839-577A-15
; Sequence 15, Application US/09839577A
; Patent No. 6951947
; GENERAL INFORMATION:
; APPLICANT: Hahn, Klaus M.
; APPLICANT: Touchkine, Alexei
; APPLICANT: Muthyala, Rajeev
; APPLICANT: Kraynov, Vadim
; APPLICANT: Burton, Dennis R.
; APPLICANT: Chamberlain, Chester
; APPLICANT: The Scripps Research Institute et al.
; TITLE OF INVENTION: Labeled Peptides, Proteins and Antibodies and Processes and Inter
; TITLE OF INVENTION: Useful for their Preparation
; FILE REFERENCE: 1361.007US1
; CURRENT APPLICATION NUMBER: US/09/839,577A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: US 60/279,302
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: PCT/US00/26821
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: US 60/218,113
; PRIOR FILING DATE: 2000-07-13
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 34
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic peptide.
US-09-839-577A-15

Query Match 3.1%; Score 6; DB 2; Length 34;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 86 LEKEVA 91
Db 27 LEKEVA 32

RESULT 85
US-09-148-545-204
; Sequence 204, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: PZ001P1
; CURRENT APPLICATION NUMBER: US/09/148,545
; CURRENT FILING DATE: 1998-09-04
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,601
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,632
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,613
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,598
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,492
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,500
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,592
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,503
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,618
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,161
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1998-03-06
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; EARLIER APPLICATION NUMBER: 60/043,674  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/043,669  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/043,312  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/043,313  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/043,672  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/043,315  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/048,974  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/056,886  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,877  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,889  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,893  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,630  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,878  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,662  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,872  
; EARLIER FILING DATE: 1997-08-22  
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; EARLIER APPLICATION NUMBER: 60/056,637  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,903  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,888  
; EARLIER FILING DATE: 1997-08-22  
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; EARLIER APPLICATION NUMBER: 60/056,880  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,894  
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; EARLIER FILING DATE: 1997-08-22  
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; EARLIER APPLICATION NUMBER: 60/056,874  
; EARLIER FILING DATE: 1997-08-22  
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; EARLIER FILING DATE: 1997-08-22  
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; EARLIER APPLICATION NUMBER: 60/056,892  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/047,595  
; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/057,761  
; EARLIER FILING DATE: 05-Sep-1997  
; EARLIER APPLICATION NUMBER: 60/047,599  
; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/047,588  
; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/047,585  
; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/047,586  
; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/047,590

; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/047,594  
; EARLIER FILING DATE: 1997-05-23  
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; EARLIER FILING DATE: 1997-05-23  
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; EARLIER FILING DATE: 1997-05-23  
; EARLIER APPLICATION NUMBER: 60/043,578  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/043,576  
; EARLIER FILING DATE: 1997-04-11  
; EARLIER APPLICATION NUMBER: 60/047,501  
; EARLIER FILING DATE: 1997-05-23  
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; EARLIER FILING DATE: 1997-04-11  
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; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/056,909  
; EARLIER FILING DATE: 1997-08-22  
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; EARLIER APPLICATION NUMBER: 60/056,908  
; EARLIER FILING DATE: 1997-08-22  
; EARLIER APPLICATION NUMBER: 60/048,964  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/057,650  
; EARLIER FILING DATE: 1997-09-05  
; EARLIER APPLICATION NUMBER: 60/056,884  
; EARLIER FILING DATE: 1997-08-22  
; NUMBER OF SEQ ID NOS: 280  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 204  
; LENGTH: 35

Query Match 3.1%; Score 6; DB 2; Length 35;  
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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18  
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Db 15 LGLLLA 20

RESULT 86  
US-09-621-011-204  
; Sequence 204, Application US/09621011  
; Patent No. 6878687  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 70 Human Secreted Proteins  
; FILE REFERENCE: PZ001P1  
; CURRENT APPLICATION NUMBER: US/09/621,011  
; CURRENT FILING DATE: 2000-07-20  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 280  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 204  
; LENGTH: 35  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-621-011-204

Query Match 3.1%; Score 6; DB 2; Length 35;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18  
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Db 15 LGLLLA 20

RESULT 87

US-09-205-258-1196  
; Sequence 1196, Application US/09205258  
; Patent No. 6525174  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: P2007P1  
; CURRENT APPLICATION NUMBER: US/09/205,258  
; CURRENT FILING DATE: 1998-12-04  
; EARLIER APPLICATION NUMBER: PCT/US98/11422  
; EARLIER FILING DATE: 1998-06-04  
; EARLIER APPLICATION NUMBER: 60/048,885  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,375  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,881  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,880  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,896  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,020  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,876  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,895  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,884  
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; EARLIER APPLICATION NUMBER: 60/048,894  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,971  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,964  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,882  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,899  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,893  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,900  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,901  
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; EARLIER APPLICATION NUMBER: 60/048,892  
; EARLIER FILING DATE: 1997-06-06  
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; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,019  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,972  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,916  
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; EARLIER APPLICATION NUMBER: 60/049,373  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,875  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,374

; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,917  
; EARLIER FILING DATE: 1997-06-06  
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; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,974  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,883  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,897  
; EARLIER FILING DATE: 1997-06-06  
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; EARLIER FILING DATE: 1997-06-06  
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; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,878  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/070,923  
; EARLIER FILING DATE: 1997-12-18  
; EARLIER APPLICATION NUMBER: 60/092,921  
; EARLIER FILING DATE: 1998-07-15  
; EARLIER APPLICATION NUMBER: 60/094,657  
; EARLIER FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1196  
; LENGTH: 44  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-205-258-1196

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Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18  
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Db 7 LGLLLA 12

RESULT 88

US-10-004-860-1196  
; Sequence 1196, Application US/10004860  
; Patent No. 6914047  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: P2007P1  
; CURRENT APPLICATION NUMBER: US/10/004,860  
; CURRENT FILING DATE: 2001-12-07  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1196  
; LENGTH: 44  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-004-860-1196

Query Match 3.1%; Score 6; DB 2; Length 44;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LGLLLA 18  
| | | | |  
Db 7 LGLLLA 12

RESULT 89

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US-09-205-258-566
; Sequence 566, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
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; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
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; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
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; EARLIER APPLICATION NUMBER: 60/048,892
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; EARLIER APPLICATION NUMBER: 60/049,019
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; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
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; EARLIER APPLICATION NUMBER: 60/048,916
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; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
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; EARLIER APPLICATION NUMBER: 60/048,883
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; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,898
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; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
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; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-258-566

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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      88 KEVAGL 93
Db      15 KEVAGL 20
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RESULT 90
US-10-004-860-566
; Sequence 566, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-004-860-566

Query Match          3.1%; Score 6; DB 2; Length 49;
Best Local Similarity 100.0%; Pred.No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      88 KEVAGL 93
Db      15 KEVAGL 20
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US-09-148-545-223
; Sequence 223, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/148,545
; CURRENT FILING DATE: 1998-09-04
; EARLIER APPLICATION NUMBER: PCT/US98/04482
; EARLIER FILING DATE: 1998-03-06
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[illegible]

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;	EARLIER	FILING DATE:	1997-08-22
;	EARLIER	APPLICATION NUMBER:	60/047,595
;	EARLIER	FILING DATE:	1997-05-23
;	EARLIER	APPLICATION NUMBER:	60/057,761
;	EARLIER	FILING DATE:	05-Sep-1997
;	EARLIER	APPLICATION NUMBER:	60/047,599
;	EARLIER	FILING DATE:	1997-05-23
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;	EARLIER	FILING DATE:	1997-05-23
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;	EARLIER	FILING DATE:	1997-05-23



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; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 50

Query Match      3.1%; Score 6; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
      |||||
Db      8 ALGLLL 13

RESULT 92
US-09-621-011-223
; Sequence 223, Application US/09621011
; Patent No. 6878687
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 70 Human Secreted Proteins
; FILE REFERENCE: P2001P1
; CURRENT APPLICATION NUMBER: US/09/621,011
; CURRENT FILING DATE: 2000-07-20
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 50
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE

; LOCATION: (17)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-621-011-223

Query Match      3.1%; Score 6; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 ALGLLL 17
      |||||
Db      8 ALGLLL 13

RESULT 93
US-09-513-999C-7761
; Sequence 7761, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 7761
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-7761

Query Match      3.1%; Score 6; DB 2; Length 54;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      73 SVPLSS 78
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Db      46 SVPLSS 51

RESULT 94
US-09-270-767-62426
; Sequence 62426, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62426
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-62426

Query Match      3.1%; Score 6; DB 2; Length 55;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      146 SLPKSE 151
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Db      32 SLPKSE 37
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RESULT 95  
PCT-US92-08558-8  
; Sequence 8, Application PC/TUS9208558  
; GENERAL INFORMATION:  
; APPLICANT: Cornell Research Foundation, Inc.  
; TITLE OF INVENTION: MOLECULAR CLONING AND TRANSFORMATION OF CYCLODIENE RESISTANCE  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Yahwak & Associates  
; STREET: 25 Skytop Drive  
; CITY: Trumbull  
; STATE: Connecticut  
; COUNTRY: USA  
; ZIP: 06611  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Macintosh  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: Microsoft Word 4.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US92/08558  
; FILING DATE: 19921002  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/770,881  
; FILING DATE: October 4th 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: George M. Yahwak  
; REGISTRATION NUMBER: 26,824  
; REFERENCE/DOCKET NUMBER: CRF D-1052  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (203)268-1951  
; TELEFAX: (203)268-1951  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 56 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
PCT-US92-08558-8

Query Match 3.1%; Score 6; DB 4; Length 56;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 LTTGNY 168  
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Db 28 LTTGNY 33

RESULT 96  
US-09-902-540-11395  
; Sequence 11395, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 11395  
; LENGTH: 59  
; TYPE: PRT  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-11395

Query Match 3.1%; Score 6; DB 2; Length 59;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 83 DLVLEK 88  
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Db 40 DLVLEK 45

## RESULT 97

US-09-248-796A-25577  
; Sequence 25577, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstock et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 25577  
; LENGTH: 61  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-09-248-796A-25577

Query Match 3.1%; Score 6; DB 2; Length 61;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 172 SVLSSS 177  
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Db 19 SVLSSS 24

## RESULT 98

US-08-663-082-2  
; Sequence 2, Application US/08663082  
; Patent No. 6043411  
; GENERAL INFORMATION:  
; APPLICANT: NISHIZAWA, Osamu  
; APPLICANT: TOGURI, Toshihiro  
; TITLE OF INVENTION: GENE FOR FATTY ACID DESATURASE, VECTOR  
; TITLE OF INVENTION: CONTAINING SAID GENE, PLANT TRANSFORMED WITH SAID GENE,  
; TITLE OF INVENTION: AND PROCESS FOR CREATING SAID PLANT  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/663,082  
; FILING DATE: 25-JUN-1996  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/JP94/02288  
; FILING DATE: 28-DEC-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 93/352858  
; FILING DATE: 28-DEC-1993

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;
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 81356/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: Anabaena variabilis
; STRAIN: IAM M-3
US-08-663-082-2

Query Match 3.1%; Score 6; DB 2; Length 65;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 ALGLLL 17
Db 1 ALGLLL 6

RESULT 99
US-09-107-532A-6727
; Sequence 6727, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6727:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 66 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
;

;
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...66
; SEQUENCE DESCRIPTION: SEQ ID NO: 6727:
US-09-107-532A-6727

Query Match 3.1%; Score 6; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LGLLLA 18
Db 21 LGLLLA 26

RESULT 100
US-09-471-276-901
; Sequence 901, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6822072
; FILE REFERENCE: GENSET.025CP1
; CURRENT APPLICATION NUMBER: US/09/471,276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057,719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069,047
; EARLIER FILING DATE: 1998-04-28
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 901
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -18..-1
US-09-471-276-901

Query Match 3.1%; Score 6; DB 2; Length 68;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 PLSSPL 80
Db 59 PLSSPL 64

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GenCore version 5.1.7  
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Title: US-10-030-937-9  
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Delop 6.0 , Delext 7.0

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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6 -FGAPEXT=7  
-YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

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10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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1	112	58.0	953	8	US-10-723-860-528 Sequence 528, App
2	112	58.0	1935	3	US-09-971-392-102 Sequence 102, App
3	112	58.0	2384	3	US-09-822-849A-53 Sequence 53, Appl
4	112	58.0	2436	3	US-09-954-531-380 Sequence 380, App
5	112	58.0	2436	3	US-09-525-978B-81 Sequence 81, Appl
6	112	58.0	2436	9	US-10-843-641A-1447 Sequence 1447, Ap
7	112	58.0	2471	9	US-10-450-763-711 Sequence 711, App

c	9	112	58.0	2478	6	US-10-170-385-390	Sequence 390, App
	9	112	58.0	2498	9	US-10-450-763-16917	Sequence 16917, A
	10	112	58.0	3988	8	US-10-723-860-5187	Sequence 5187, Ap
	11	100	51.8	546	9	US-10-450-763-708	Sequence 708, App
c	12	61	31.6	475	3	US-09-864-761-1518	Sequence 1518, Ap
c	13	48	24.9	145	3	US-09-864-761-18277	Sequence 18277, A
	14	40	20.7	448	3	US-09-969-034-4215	Sequence 4215, Ap
c	15	40	20.7	250000	6	US-10-225-810-26	Sequence 26, Appl
	16	18	9.3	546	5	US-10-027-632-207798	Sequence 207798,
	17	18	9.3	546	5	US-10-027-632-207799	Sequence 207799,
	18	18	9.3	546	5	US-10-027-632-207800	Sequence 207800,
	19	18	9.3	546	5	US-10-027-632-207801	Sequence 207801,
	20	18	9.3	546	6	US-10-027-632-207798	Sequence 207798,
	21	18	9.3	546	6	US-10-027-632-207799	Sequence 207799,
	22	18	9.3	546	6	US-10-027-632-207800	Sequence 207800,
	23	18	9.3	546	6	US-10-027-632-207801	Sequence 207801,
	24	18	9.3	1983	6	US-10-388-934-167	Sequence 167, App
	25	16	8.3	468	9	US-10-450-763-710	Sequence 710, App
c	26	10	5.2	1098	9	US-10-450-763-20108	Sequence 20108, A
	27	9	4.7	218	3	US-09-922-293-2287	Sequence 2287, Ap
c	28	9	4.7	455	5	US-10-027-632-202246	Sequence 202246,
c	29	9	4.7	455	6	US-10-027-632-202246	Sequence 202246,
c	30	9	4.7	615	4	US-09-925-065A-876995	Sequence 876995,
c	31	9	4.7	615	4	US-09-925-065A-905985	Sequence 905985,
	32	9	4.7	621	4	US-09-925-065A-877564	Sequence 877564,
	33	9	4.7	649	7	US-10-425-114-7785	Sequence 7785, Ap
	34	9	4.7	787	3	US-09-765-272-97	Sequence 97, Appl
	35	9	4.7	787	10	US-11-106-649-97	Sequence 97, Appl
	36	9	4.7	811	3	US-09-765-272-205	Sequence 205, App
	37	9	4.7	811	10	US-11-106-649-205	Sequence 205, App
	38	9	4.7	873	8	US-10-472-928-4347	Sequence 4347, Ap
	39	9	4.7	987	9	US-10-617-320-715	Sequence 715, App
	40	9	4.7	1051	7	US-10-424-599-38496	Sequence 38496, A
	41	9	4.7	12127	2	US-08-961-527-148	Sequence 148, App
	42	9	4.7	12127	7	US-10-158-844-148	Sequence 148, App
	43	9	4.7	2162598	8	US-10-472-928-4979	Sequence 4979, Ap
	44	8	4.1	25	8	US-10-719-900-237828	Sequence 237828,
	45	8	4.1	60	3	US-09-908-975-22643	Sequence 22643, A
c	46	8	4.1	195	3	US-09-864-761-18267	Sequence 18267, A
c	47	8	4.1	223	7	US-10-424-599-102858	Sequence 102858,
c	48	8	4.1	274	8	US-10-425-115-5227	Sequence 5227, Ap
c	49	8	4.1	301	8	US-10-696-639-2552	Sequence 2552, Ap
c	50	8	4.1	319	3	US-09-864-761-20513	Sequence 20513, A
c	51	8	4.1	331	8	US-10-425-115-120690	Sequence 120690,
	52	8	4.1	391	3	US-09-864-408A-4241	Sequence 4241, Ap
	53	8	4.1	406	3	US-09-960-352-14056	Sequence 14056, A
	54	8	4.1	420	7	US-10-424-599-85374	Sequence 85374, A
c	55	8	4.1	430	3	US-09-864-761-1508	Sequence 1508, Ap
	56	8	4.1	434	9	US-10-972-079-35518	Sequence 35518, A
	57	8	4.1	453	4	US-09-925-065A-48199	Sequence 48199, A
	58	8	4.1	458	3	US-09-917-800A-144	Sequence 144, App
	59	8	4.1	458	3	US-09-918-995-8914	Sequence 8914, Ap
c	60	8	4.1	467	7	US-10-437-963-18713	Sequence 18713, A
c	61	8	4.1	471	3	US-09-917-800A-910	Sequence 910, App
	62	8	4.1	484	3	US-09-918-995-30887	Sequence 30887, A
	63	8	4.1	490	9	US-10-487-901-961	Sequence 961, App
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c	65	8	4.1	496	4	US-09-925-065A-363696	Sequence 363696,
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c	67	8	4.1	496	4	US-09-925-065A-363698	Sequence 363698,
c	68	8	4.1	504	4	US-09-925-065A-342350	Sequence 342350,
c	69	8	4.1	504	4	US-09-925-065A-342353	Sequence 342353,
c	70	8	4.1	513	4	US-09-925-065A-426529	Sequence 426529,
c	71	8	4.1	513	4	US-09-925-065A-426530	Sequence 426530,
	72	8	4.1	516	4	US-09-925-065A-311390	Sequence 311390,
c	73	8	4.1	523	4	US-09-925-065A-410117	Sequence 410117,
	74	8	4.1	531	4	US-09-925-065A-515183	Sequence 515183,
c	75	8	4.1	542	4	US-09-925-065A-410116	Sequence 410116,
c	76	8	4.1	581	4	US-09-925-065A-190128	Sequence 190128,
	77	8	4.1	587	4	US-09-925-065A-439582	Sequence 439582,
c	78	8	4.1	593	5	US-10-027-632-277778	Sequence 277778,
c	79	8	4.1	593	6	US-10-027-632-277778	Sequence 277778,
c	80	8	4.1	594	4	US-09-925-065A-540332	Sequence 540332,







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; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 380
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-380

Alignment Scores:
Pred. No.:      5.11e-102      Length:      2436
Score:          112.00      Matches:      191
Percent Similarity: 97.9%      Conservative: 0
Best Local Similarity: 97.9%      Mismatches: 2
Query Match:      58.0%      Indels:      4
DB:              3          Gaps:      0

US-10-030-937-9 (1-193) x US-09-954-531-380 (1-2436)

Qy      1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db      59 ATGCAGTCCCTGATGCAGGCTCCCTCTGATCGCCCTGGGCTTGCTTCTCGCAGCCCT 118
Qy      21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db      119 GCGCAAGCCCCACCTGAAAAAGCCATCCAGCTCAGTAGCTTTTCTCGGATAACTGTGA- 177
Qy      41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db      178 TGAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGT 237
Qy      60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db      238 TCCTGGAAATGTGACCCCTCAGTGTCTGCGGCAGCACCAAGTGTCCCCCTGAGTTCTCCTCT 297
Qy      80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
Db      298 GAAGGTGGATTAGTTTGGAGAAGAGGTGGCTGGCTCTGGATCAAGATCCCATGCAC 357
Qy      100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr 120
Db      358 AGACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCC 417
Qy      120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140
Db      418 TACTGGGAGCCCTGCCAGAGCCCTCGGTACCTATGGGCTTCCCTTGCCACTGTCCCTT 477
Qy      140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db      478 CAAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTCTGT-TGTGCCTGACCTGGAGCTGC 536
Qy      160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA 180
Db      537 CCAGTTGGCTCACCCACCGGAACCTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAAGC 596
Qy      180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db      597 GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGGCATA 637

RESULT 5
US-09-525-978B-81
; Sequence 81, Application US/09525978B
; Publication No. US20030049722A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Caras, Ingrid W.
; APPLICANT: Hevezi, Peter
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT
;
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; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF
; TITLE OF INVENTION: SCREENING FOR MACROPHAGE DEVELOPMENT MODULATORS
; FILE REFERENCE: A-67413-1/DJB/JJD
; CURRENT APPLICATION NUMBER: US/09/525,978B
; CURRENT FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: USSN 60/124,530
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-525-978B-81

Alignment Scores:
Pred. No.:      5.11e-102      Length:      2436
Score:          112.00      Matches:      191
Percent Similarity: 97.9%      Conservative: 0
Best Local Similarity: 97.9%      Mismatches: 2
Query Match:      58.0%      Indels:      4
DB:              3          Gaps:      0

US-10-030-937-9 (1-193) x US-09-525-978B-81 (1-2436)

Qy      1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuAlaThrPro 20
Db      59 ATGCAGTCCCTGATGCAGGCTCCCTCTGATCGCCCTGGGCTTGCTTCTCGCAGCCCT 118
Qy      21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db      119 GCGCAAGCCCCACCTGAAAAAGCCATCCAGCTCAGTAGCTTTTCTCGGATAACTGTGA- 177
Qy      41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db      178 TGAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGT 237
Qy      60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db      238 TCCTGGAAATGTGACCCCTCAGTGTCTGCGGCAGCACCAAGTGTCCCCCTGAGTTCTCCTCT 297
Qy      80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
Db      298 GAAGGTGGATTAGTTTGGAGAAGAGGTGGCTGGCTCTGGATCAAGATCCCATGCAC 357
Qy      100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr 120
Db      358 AGACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCC 417
Qy      120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140
Db      418 TACTGGGAGCCCTGCCAGAGCCCTCGGTACCTATGGGCTTCCCTTGCCACTGTCCCTT 477
Qy      140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db      478 CAAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTCTGT-TGTGCCTGACCTGGAGCTGC 536
Qy      160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA 180
Db      537 CCAGTTGGCTCACCCACCGGAACCTACCGCATAGAGAGCGTCTCTGAGCAGCAGTGGGAAGC 596
Qy      180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db      597 GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGGCATA 637

RESULT 6
US-10-843-641A-1447
; Sequence 1447, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; APPLICANT: Hevezi, Peter
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
;
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; FILE REFERENCE: 689290-1189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447

Alignment Scores:
Pred. No.: 5,11e-102 Length: 2436
Score: 112.00 Matches: 191
Percent Similarity: 97.9% Conservative: 0
Best Local Similarity: 97.9% Mismatches: 2
Query Match: 58.0% Indels: 4
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-843-641A-1447 (1-2436)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuLeuAlaLeuGlyLeuLeuAlaThrPro 20
Db 59 ATGCAGTCCCTGATGCAGGCTCCCTCTCTGATCGCCCTGGGCTGTCTTCTCGCGACCCCT 118

Qy 21 AlaGlnAlaHisLeuLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 119 GCGCAAGCCCACTGAAAAAGCCATCCAGCTCAGTAGCTTTCTTGGGATAACTGTGA- 177

Qy 41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db 178 TGAAGGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGT 237

Qy 60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db 238 TCCTGGAAATGTGACCCCTCAGTGTCTGGGAGCAGCAGTGTCCCCCTGAGTTCTCCTCT 297

Qy 80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100
Db 298 GAAGGTGGATTAGTTTGGAGAAGGAGGTGGTGGCTCTGGATCAAGATCCCATGCAC 357

Qy 100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr 120
Db 358 AGACTACATTGGCAGCTGTACCTTTGAACACITCTGTGATGTGCTTGACATGTTAATTCC 417

Qy 120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140
Db 418 TACTGGGAGCCCTGCCAGAGCCCTCGGTACCTATGGGCTTCTTGCCACTGTCCCTT 477

Qy 140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db 478 CAAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTTCGT-TGTGCCTGACCTGGAGCTGC 536
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Qy 160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysA 180
Db 537 CCAGTTGGCTCACCCCGGAACCTACCGCATAGAGAGCGTCTGTAGCAGCAGTGGGAAGC 596

Qy 180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 597 GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 637

RESULT 7
US-10-450-763-711
; Sequence 711, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 711
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (93)..(671)
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator
; OTHER INFORMATION: protein, accession number M76477, Smith-Waterman Score=1017.
US-10-450-763-711

Alignment Scores:
Pred. No.: 5,17e-102 Length: 2471
Score: 112.00 Matches: 152
Percent Similarity: 98.7% Conservative: 0
Best Local Similarity: 98.7% Mismatches: 1
Query Match: 58.0% Indels: 2
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-711 (1-2471)
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Qy 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60
Db 213 GAAGGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATCGTCGT 272

Qy 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80
Db 273 CCTGGAAATGTGACCCCTCAGTGTCTGGGAGCAGCAGTGTCCCCCTGAGTTCTCCTCTG 332

Qy 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100
Db 333 AAGGTGGATTAGTTTGGAGAAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACA 392

Qy 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120
Db 393 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCT 452

Qy 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPhe 140
Db 453 ACTGGGAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCTTGCCACTGTCCCTTC 512

Qy 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuPr 160
Db 513 AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTTCGT-TGTGCCTGACCTGGAGCTGCC 571

Qy 160 oSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerSerGlyLysAr 180
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Db 572 CAGTTGGCTCACCACCGGAACCTACCGCATAGAGAGCGTCTTGAGCAGCAGTGGGAAGCG 631
Qy 180 gLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 632 TCTGGGCTGCATCAAGATCGCTGCCCTCTCTAAAGGGGCATA 671

RESULT 8
US-10-170-385-390
; Sequence 390, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 390
; LENGTH: 2478
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-170-385-390

Alignment Scores:
Pred. No.: 5.19e-102 Length: 2478
Score: 112.00 Matches: 191
Percent Similarity: 97.9% Conservative: 0
Best Local Similarity: 97.9% Mismatches: 2
Query Match: 58.0% Indels: 4
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-170-385-390 (1-2478)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuLeuAlaThrPro 20
Db 96 ATGCAGTCCCTGATGCAGGCTCCCCCTCTGTATCGCCCTGGGCTTGCTTCTCGGAGCCCT 155
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 156 GCGCAAGCCCCACCTGAAAAAGCCATCCAGCTCAGTAGCTTTTCTCGGATAACTGTGA- 214

Qy 41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db 215 TGAAGGGAAGGACCCCTGCGGTGATCAGAAGCCCTGACTCTGGAGCCCTGACCCCATCGTCGT 274
Qy 60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db 275 TCCTGGAAAATGTGACCCCTCAGTGTCTGTGGGCAGCACCCAGTGTCCCCCTGAGTTCTCTCT 334
Qy 80 uLysValAspLeuValLeuGluLysGluValAlaAlaGlyLeuTrpIleLysIleProCysTh 100
Db 335 GAAGGTGGATTAGTTTTGGAGAGGAGGTGGCTCTGGATCAGATCCCATGCAC 394
Qy 100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr 120
Db 395 AGACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCC 454
Qy 120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140
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Db 455 TACTGGGAGCCCTGCCAGAGCCCTCGTACGTACCTATGGGCTTCTCTGCCACTGTCCCTT 514
Qy 140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160
Db 515 CAAAGAAGGAACCTACTACTGCTGCCCCAAGAGCGAATTGGT-TGTGCTTGACCTGGAGCTGC 573
Qy 160 roserTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerGlyLysA 180
Db 574 CCAGTTGGCTCACCCACCGGGAACCTACCGCATAGAGCGTCTCTGAGCAGCAGTGGGAAGC 633
Qy 180 rgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
Db 634 GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGGCATA 674

RESULT 9
US-10-450-763-16917/c
; Sequence 16917, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 16917
; LENGTH: 2498
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (2628)..(2714)
; OTHER INFORMATION: 74% homologous to Homo sapiens Human secreted protein, SEQ ID
; OTHER INFORMATION: NO: 6532, accession number G02451, Smith-Waterman Score=98.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(2498)
; OTHER INFORMATION: n = a,t,c or g
US-10-450-763-16917

Alignment Scores:
Pred. No.: 5.22e-102 Length: 2498
Score: 112.00 Matches: 191
Percent Similarity: 97.9% Conservative: 0
Best Local Similarity: 97.9% Mismatches: 2
Query Match: 58.0% Indels: 4
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-16917 (1-2498)

Qy 1 MetGlnSerLeuMetGlnAlaProLeuLeuIleAlaLeuGlyLeuLeuLeuAlaThrPro 20
Db 2440 ATGCAGTCCCTGATGCAGGCTCCCCCTCTGTATCGCCCTGGGCTTGCTTCTCGGAGCCCT 2381
Qy 21 AlaGlnAlaHisLeuLysLysProSerGlnLeuSerSerPheSerTrpAspAsnCysPhe 40
Db 2380 GCGCAAGCCCCACCTGAAAAAGCCATCCAGCTCAGTAGCTTTTCTCGGATAACTGTGA- 2322
Qy 41 -GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVa 60
Db 2321 TGAAGGGAAGGACCCCTGCGGTGATCAGAAGCCCTGACTCTGGAGCCCTGACCCCATCGTCGT 2262
Qy 60 lProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLe 80
Db 2261 TCCTGGAAAATGTGACCCCTCAGTGTCTGTGGGCAGCACCCAGTGTCCCCCTGAGTTCTCTCT 2202
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QY 80 uLysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysTh 100  
Db 2201 GAAGGTGGATTAGTTTGGAGAAGGAGGTGGCTCTGGATCAAGATCCCATGCAC 2142  
QY 100 rAspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePr 120  
Db 2141 AGACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGCTTGACATGTTAATTCC 2082  
QY 120 oThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPh 140  
Db 2081 TACTGGGGAGCCCTGCCAGAGCCCTCGCTACCTATGGGCTTCTTGCCACTGTCCCTT 2022  
QY 140 eLysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuP 160  
Db 2021 CAAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTTCGT-TGTGCTTGACCTGGAGCTGC 1963  
QY 160 roSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerGlyLysA 180  
Db 1962 CCAGTTGGCTCACCACCGGGAACCTACCGCATAGAGAGCGTCTCGAGCAGCAGTGGGAAGC 1903  
QY 180 rgLeuGlyCysIleLysIleAlaAAserLeuLysGlyIle 193  
Db 1902 GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 1862

RESULT 10  
US-10-723-860-5187  
; Sequence 5187, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators  
; FILE REFERENCE: 05882.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5187  
; LENGTH: 3988  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (2864)..(2894)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (3472)..(3486)  
; OTHER INFORMATION: n is a, c, g, or t  
US-10-723-860-5187

Alignment Scores:  
Pred. No.: 7.97e-102 Length: 3988  
Score: 112.00 Matches: 152  
Percent Similarity: 98.7% Conservative: 0  
Best Local Similarity: 98.7% Mismatches: 1  
Query Match: 58.0% Indels: 2  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-723-860-5187 (1-3988)

QY 41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValVal 60  
Db 216 GAAGGGAAGGACCCCTGCGGTGATCAGAAAGCCTGACTCTGGAGCCTGACCCCATCGTTCGTT 275  
QY 61 ProGlyAsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeu 80  
Db 276 CCTGGAAATGTACCCCTCAGTGTCTGTGGGAGCAGCACCAAGTGTCCCCCTGAGTCTCCTCTG 335

QY 81 LysValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThr 100  
Db 336 AAGGTGGATTAGTTTGGAGAAGGAGGTGGCTGGCTCTGGATCAAGATCCCATGCACA 395  
QY 101 AspTyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIlePro 120  
Db 396 GACTACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGCTTGACATGTTAATTCCCT 455  
QY 121 ThrGlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProphe 140  
Db 456 ACTGGGGAGCCCTGCCAGAGCCCTCGCTACCTATGGGCTTCTTGCCACTGTCCCTTC 515  
QY 141 LysGluGlyThrTyrSerLeuProLysSerGluPheAla-ValProAspLeuGluLeuPr 160  
Db 516 AAAGAAGGAACCTACTCACTGCCCAAGAGCGAATTTCGT-TGTGCTTGACCTGGAGCTGCC 574  
QY 160 oSerTrpLeuThrThrGlyAsnTyrArgIleGluSerValLeuSerSerGlyLysAr 180  
Db 575 CAGTTGGCTCACCACCGGGAACCTACCGCATAGAGAGCGTCTCGAGCAGCAGTGGGAAGCG 634  
QY 180 gLeuGlyCysIleLysIleAlaAAserLeuLysGlyIle 193  
Db 635 TCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 674

RESULT 11  
US-10-450-763-708  
; Sequence 708, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 708  
; LENGTH: 546  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIMILAR  
; LOCATION: (2)..(310)  
; OTHER INFORMATION: 100% homologous to Homo sapiens GM2-activator  
; OTHER INFORMATION: protein, accession number X61094, Smith-Waterman Score=557.  
US-10-450-763-708

Alignment Scores:  
Pred. No.: 1.55e-90 Length: 546  
Score: 100.00 Matches: 100  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 51.8% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-708 (1-546)

QY 43 LysAspProAlaValIleArgSerLeuThrLeuGluProAspProIleValValProGly 62  
Db 2 AAGGACCCCTGCGGTGATCAGAAAGCCTGACTCTGGAGCCTGACCCCATCGTTCGTTCTGGA 61  
QY 63 AsnValThrLeuSerValValGlySerThrSerValProLeuSerSerProLeuLysVal 82  
Db 62 AATGTGACCCCTCAGTGTCTGTGGGAGCAGCACCAAGTGTCCCCCTGAGTTCCTCTGAAAGTG 121  
QY 83 AspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyr 102

```

Db      122 GATTTAGTTTGGAGAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACAGACTAC 181
        |||||||
QY      103 IleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThrGly 122
        |||||||
Db      182 ATTGGAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCTACTGGG 241
        |||||||
QY      123 GluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPheLeysGlu 142
        |||||||
Db      242 GAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCTTGGCACTGTCCTTCAAAGAA 301
        |||||||

RESULT 12
US-09-864-761-1518/c
; Sequence 1518, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 1518
; LENGTH: 475
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
;

```

```

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
US-09-864-761-1518

Alignment Scores:
Pred. No.:      2,27e-51      Length:      475
Score:          61.00        Matches:      61
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    31.6%        Indels:         0
DB:             3           Gaps:           0

US-10-030-937-9 (11-193) x US-09-864-761-1518 (1-475)

QY      82 ValAspLeuValLeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAsp 101
        |||||||
Db      465 GTGGATTAGTTTTCGAGAGGAGGTGGCTGGCCTCTGGATCAAGATCCCATGCACAGAC 406
        |||||||
QY      102 TyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThr 121
        |||||||
Db      405 TACATGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCTACT 346
        |||||||
QY      122 GlyGluProCysProGluProLeuArgThrTyrGlyLeuProCysHisCysProPheLys 141
        |||||||
Db      345 GGGGAGCCCTGCCAGAGCCCTGCGTACCTATGGGCTTCCTTGGCACTGTCCTTCAAA 286
        |||||||
QY      142 Glu 142
        |||
Db      285 GAA 283

RESULT 13
US-09-864-761-18277/c
; Sequence 18277, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 1518
; LENGTH: 475
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
;

```

```
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 18277
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.99
; OTHER INFORMATION: EST HUMAN HIT: BE182886.1, EVALUE 2.00e-76
; OTHER INFORMATION: SWISSPROT HIT: P17900, EVALUE 7.00e-25
; OTHER INFORMATION: NT HIT: X16087.1, EVALUE 2.00e-76
US-09-864-761-18277
```

```
Alignment Scores:
Pred. No.: 9.23e-39 Length: 145
Score: 48.00 Matches: 48
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 24.9% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-864-761-18277 (1-145)

```
Qy 82 ValAspLeuValLeuGluLysGluValAlaGlyLeuTriPleLysIleProCysThrAsp 101
|||
Db 145 GTGATTTAGTTTGGAGAGAGAGGTGGCTGGCTCTGGATCAAGATCCCATGCACAGAC 86
|||
Qy 102 TyrIleGlySerCysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThr 121
|||
Db 85 TACATTGGCAGCTGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTTAATTCCTACT 26
|||
Qy 122 GlyGluProCysProGluProLeu 129
|||
Db 25 GGGAGCCCTGCCAGAGCCCTG 2
```

```
RESULT 14
US-09-969-034-4215
; Sequence 4215, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poornima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE OF INVENTION: Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
```

```
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4215
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 241, 277, 288, 295, 299, 300, 304, 310, 316, 343, 346, 356,
; LOCATION: 364, 370, 396, 397, 406, 410, 415, 424, 437
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-4215
```

```
Alignment Scores:
Pred. No.: 2.83e-30 Length: 448
Score: 40.00 Matches: 40
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 20.7% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-969-034-4215 (1-448)

```
Qy 154 ValProAspLeuGluLeuProSerTrpLeuThrThrGlyAsnTyrArgIleGluSerVal 173
|||
Db 70 GTGCCTGACCTGGAGCTGCCAGTTGGCTCACCACCGGGAACCTACCGCATAGAGCGTC 129
|||
Qy 174 LeuSerSerSerGlyLysArgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
|||
Db 130 CTGAGCAGCAGTGGGAAGCGTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 189
|||
```

RESULT 15

```
US-10-225-810-26/c
; Sequence 26, Application US/10225810
; Publication No. US20030157512A1
; GENERAL INFORMATION:
; APPLICANT: Birmingham, Jr., John R.
; TITLE OF INVENTION: Tramdorins and Methods of Using Tramdorin
; FILE REFERENCE: McLaugh-07165
; CURRENT APPLICATION NUMBER: US/10/225,810
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 250000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (33774)..(33774)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (42953)..(43052)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (45557)..(45656)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (48203)..(48302)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (49551)..(49650)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (51561)..(51660)
```

```
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (52722)..(52821)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (53864)..(53963)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (55290)..(55389)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (56674)..(56773)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (57879)..(57978)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (78952)..(79051)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (85316)..(85415)
; OTHER INFORMATION: n is a, c, g, or t
US-10-225-810-26
```

```
Alignment Scores:
Pred. No.:      8.51e-28      Length:      250000
Score:          40.00        Matches:      40
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    20.7%        Indels: 0
DB:             6           Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-225-810-26 (1-250000)

```
QY      154 ValProAspLeuGluLeuProSerTrpLeuThrGlyAsnTyrArgIleGluSerVal 173
          |||||
Db      249596 GTGCCTGACCTGGAGTGGCCAGTGGCTCACCACCGGAACCTACCGCATAGAGCGTC 249537

QY      174 LeuSerSerSerGlyLysArgLeuGlyCysIleLysIleAlaAlaSerLeuLysGlyIle 193
          |||||
Db      249536 CTGAGCAGCAGTGGGAAGCGTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 249477
```

```
RESULT 16
US-10-027-632-207798
; Sequence 207798, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
```

```
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207798
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207798
```

```
Alignment Scores:
Pred. No.:      4.51e-08      Length:      546
Score:          18.00        Matches:      18
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    9.3%        Indels: 0
DB:             5           Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-027-632-207798 (1-546)

```
QY      41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
          |||||
Db      297 GAAGGAAGGACCCCTGGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350
```

```
RESULT 17
US-10-027-632-207799
; Sequence 207799, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207799
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207799
```

```
Alignment Scores:
Pred. No.:      4.51e-08      Length:      546
Score:          18.00        Matches:      18
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    9.3%        Indels: 0
DB:             5           Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-027-632-207799 (1-546)

```
QY      41 GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
          |||||
Db      297 GAAGGAAGGACCCCTGGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350
```

```
RESULT 18
US-10-027-632-207800
; Sequence 207800, Application US/10027632
```

```
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207800
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207800

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:     18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:      0
DB:                  5            Gaps:         0

US-10-030-937-9 (1-193) x US-10-027-632-207800 (1-546)
QY      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||
Db      297  GAAGGGAAGGACCCCTGCGGTGATCAGAAAGCTGACTCTGGAGCCTGACCCCATC 350

RESULT 19
US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
```

```
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:     18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:      0
DB:                  5            Gaps:         0

US-10-030-937-9 (1-193) x US-10-027-632-207801 (1-546)
QY      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||
Db      297  GAAGGGAAGGACCCCTGCGGTGATCAGAAAGCTGACTCTGGAGCCTGACCCCATC 350

RESULT 20
US-10-027-632-207798
; Sequence 207798, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207798
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207798

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:     18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:      0
DB:                  6            Gaps:         0

US-10-030-937-9 (1-193) x US-10-027-632-207798 (1-546)
QY      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||
Db      297  GAAGGGAAGGACCCCTGCGGTGATCAGAAAGCTGACTCTGGAGCCTGACCCCATC 350

RESULT 21
US-10-027-632-207799
; Sequence 207799, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
```



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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207799
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207799

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:    18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:     0
DB:                 6             Gaps:       0

US-10-030-937-9 (1-193) x US-10-027-632-207799 (1-546)

Qy      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||||
Db      297  GAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350

RESULT 22
US-10-027-632-207800
; Sequence 207801, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:    18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:     0
DB:                 6             Gaps:       0

US-10-030-937-9 (1-193) x US-10-027-632-207799 (1-546)

Qy      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||||
Db      297  GAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350

RESULT 22
US-10-027-632-207800
; Sequence 207800, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207800
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207800

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:    18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:     0
DB:                 6             Gaps:       0

US-10-030-937-9 (1-193) x US-10-027-632-207801 (1-546)

Qy      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||||
Db      297  GAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350

RESULT 24
US-10-388-934-167
; Sequence 167, Application US/10388934
; Publication No. US20040005547A1
; GENERAL INFORMATION:
; APPLICANT: Boess, Franziska
; APPLICANT: Suter-Dick, Laura
; APPLICANT: Wolf, Detlef
; TITLE OF INVENTION: BIOMARKERS AND EXPRESSION PROFILES FOR TOXICOLOGY
; FILE REFERENCE: 21199
; CURRENT APPLICATION NUMBER: US/10/388,934
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 02005336.9
```

```

Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:    18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:     0
DB:                 6             Gaps:       0

US-10-030-937-9 (1-193) x US-10-027-632-207800 (1-546)

Qy      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||||
Db      297  GAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350

RESULT 23
US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801

Alignment Scores:
Pred. No.:          4.51e-08      Length:      546
Score:              18.00         Matches:    18
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        9.3%          Indels:     0
DB:                 6             Gaps:       0

US-10-030-937-9 (1-193) x US-10-027-632-207801 (1-546)

Qy      41  GluGlyLysAspProAlaValIleArgSerLeuThrLeuGluProAspProIle 58
      |||||||
Db      297  GAAGGAAGGACCCCTGCGGTGATCAGAAGCCTGACTCTGGAGCCTGACCCCATC 350

RESULT 24
US-10-388-934-167
; Sequence 167, Application US/10388934
; Publication No. US20040005547A1
; GENERAL INFORMATION:
; APPLICANT: Boess, Franziska
; APPLICANT: Suter-Dick, Laura
; APPLICANT: Wolf, Detlef
; TITLE OF INVENTION: BIOMARKERS AND EXPRESSION PROFILES FOR TOXICOLOGY
; FILE REFERENCE: 21199
; CURRENT APPLICATION NUMBER: US/10/388,934
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 02005336.9
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; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 02015657.6
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 862
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 1983
; TYPE: DNA
; ORGANISM: Rattus sp.
US-10-388-934-167

Alignment Scores:
Pred. No.: 1.44e-07 Length: 1983
Score: 18.00 Matches: 18
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 9.3% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-388-934-167 (1-1983)

Qy 131 ThrTyrGluLeuProCysHisCysProPhelysGluGlyThrTyrSerLeuPro 148
Db 420 ACCTACGGGCTGCCCTGCCATTGTCCCTTCAAGGAAGGCACCTACTCACTGCCT 473

RESULT 25
US-10-450-763-710
; Sequence 710, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 710
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (88)..(258)
; OTHER INFORMATION: 44% homologous to Homo sapiens GM2-activator
; OTHER INFORMATION: protein,accession number X61094,Smith-Waterman Score=115.
US-10-450-763-710

Alignment Scores:
Pred. No.: 4.03e-06 Length: 468
Score: 16.00 Matches: 47
Percent Similarity: 95.9% Conservative: 0
Best Local Similarity: 95.9% Mismatches: 2
Query Match: 8.3% Indels: 2
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-710 (1-468)

Qy 86 LeuGluLysGluValAlaGlyLeuTrpIleLysIleProCysThrAspTyrIleGlySer 105
Db 88 TTGAGAAGGAGGTGGCTGGCTCTGGATCAAGATCCCATGCACAGACAC-ATTGGCAGC 146
Qy 106 CysThrPheGluHisPheCysAspValLeuAspMetLeuIleProThrGlyGluProCys 125
Db 147 TGTACCTTTGAACACTTCTGTGATGTGCTTGACATGTT-ATTCTACTGGGGAGCCCTGC 205
Qy 126 ProGluProLeuArgThrTyrGlyLeu 134

Db 206 CCAGAGCCCTGCGTACCTATGGGCTT 232

RESULT 26
US-10-450-763-20108/c
; Sequence 20108, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 20108
; LENGTH: 1098
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (975)..(844)
; OTHER INFORMATION: 77% homologous to Mus musculus GM2 activator
; OTHER INFORMATION: protein,accession number U09816,Smith-Waterman Score=177.
US-10-450-763-20108

Alignment Scores:
Pred. No.: 9.41 Length: 1098
Score: 10.00 Matches: 10
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 5.2% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-450-763-20108 (1-1098)

Qy 154 ValProAspLeuGluLeuProSerTrpLeu 163
Db 951 GTGCCTGACCTGGAGCTGCCAGCTGGCTC 922

RESULT 27
US-09-922-293-2287
; Sequence 2287, Application US/09922293
; Publication No. US20040123339A1
; GENERAL INFORMATION:
; APPLICANT: Conner, Timothy W.
; APPLICANT: Heck, Gregory R.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 16517.254
; CURRENT APPLICATION NUMBER: US/09/922,293
; CURRENT FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/067,000
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: US 60/069,472
; PRIOR FILING DATE: 1997-12-09
; PRIOR APPLICATION NUMBER: US 60/071,479
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: US 60/074,201
; PRIOR FILING DATE: 1998-02-10
; PRIOR APPLICATION NUMBER: US 60/074,282
; PRIOR FILING DATE: 1998-02-10
; PRIOR APPLICATION NUMBER: US 60/074,280
; PRIOR FILING DATE: 1998-02-10
; PRIOR APPLICATION NUMBER: US 60/074,281
; PRIOR FILING DATE: 1998-02-10

;  
; PRIOR APPLICATION NUMBER: US 60/074,566  
; PRIOR FILING DATE: 1998-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,567  
; PRIOR FILING DATE: 1998-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,565  
; PRIOR FILING DATE: 1998-02-12  
; PRIOR APPLICATION NUMBER: US 60/075,462  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/074,789  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/075,459  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/075,461  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/075,464  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/075,460  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/075,463  
; PRIOR FILING DATE: 1998-02-19  
; PRIOR APPLICATION NUMBER: US 60/077,231  
; PRIOR FILING DATE: 1998-03-09  
; PRIOR APPLICATION NUMBER: US 60/077,229  
; PRIOR FILING DATE: 1998-03-09  
; PRIOR APPLICATION NUMBER: US 60/077,230  
; PRIOR FILING DATE: 1998-03-09  
; PRIOR APPLICATION NUMBER: US 60/078,368  
; PRIOR FILING DATE: 1998-03-18  
; PRIOR APPLICATION NUMBER: US 60/080,844  
; PRIOR FILING DATE: 1998-04-07  
; PRIOR APPLICATION NUMBER: US 60/083,067  
; PRIOR FILING DATE: 1998-04-27  
; PRIOR APPLICATION NUMBER: US 60/083,386  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: US 60/083,387  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: US 60/083,388  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: US 60/083,389  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: US 60/085,224  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: US 60/085,223  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: US 60/085,222  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: US 60/085,533  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: US 60/086,186  
; PRIOR FILING DATE: 1998-05-21  
; PRIOR APPLICATION NUMBER: US 60/086,187  
; PRIOR FILING DATE: 1998-05-21  
; PRIOR APPLICATION NUMBER: US 60/086,185  
; PRIOR FILING DATE: 1998-05-21  
; PRIOR APPLICATION NUMBER: US 60/086,184  
; PRIOR FILING DATE: 1998-05-21  
; PRIOR APPLICATION NUMBER: US 60/086,183  
; PRIOR FILING DATE: 1998-05-21  
; PRIOR APPLICATION NUMBER: US 60/086,188  
; PRIOR FILING DATE: 1998-05-21  
; PRIOR APPLICATION NUMBER: US 60/089,524  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: US 60/089,810  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,814  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,808  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,812  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,807  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,806

;  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,813  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,811  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/089,793  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: US 60/091,405  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/091,247  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/099,667  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: US 60/099,668  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: US 60/099,670  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: US 60/099,697  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: US 60/100,674  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: US 60/100,673  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: US 60/100,672  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: US 60/100,963  
; PRIOR FILING DATE: 1998-09-17  
; PRIOR APPLICATION NUMBER: US 60/101,131  
; PRIOR FILING DATE: 1998-09-21  
; PRIOR APPLICATION NUMBER: US 60/101,132  
; PRIOR FILING DATE: 1998-09-21  
; PRIOR APPLICATION NUMBER: US 60/101,130  
; PRIOR FILING DATE: 1998-09-21  
; PRIOR APPLICATION NUMBER: US 60/101,508  
; PRIOR FILING DATE: 1998-09-22  
; PRIOR APPLICATION NUMBER: US 60/101,344  
; PRIOR FILING DATE: 1998-09-22  
; PRIOR APPLICATION NUMBER: US 60/101,347  
; PRIOR FILING DATE: 1998-09-22  
; PRIOR APPLICATION NUMBER: US 60/101,343  
; PRIOR FILING DATE: 1998-09-22  
; PRIOR APPLICATION NUMBER: US 60/101,707  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: US 60/104,126  
; PRIOR FILING DATE: 1998-10-13  
; PRIOR APPLICATION NUMBER: US 60/104,128  
; PRIOR FILING DATE: 1998-10-13  
; PRIOR APPLICATION NUMBER: US 60/104,127  
; PRIOR FILING DATE: 1998-10-13  
; PRIOR APPLICATION NUMBER: US 60/104,124  
; PRIOR FILING DATE: 1998-10-13  
; PRIOR APPLICATION NUMBER: US 60/109,018  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: US 60/108,996  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: US 09/199,129  
; PRIOR FILING DATE: 1998-11-24  
; PRIOR APPLICATION NUMBER: US 09/210,297  
; PRIOR FILING DATE: 1998-12-08  
; PRIOR APPLICATION NUMBER: US 60/111,981  
; PRIOR FILING DATE: 1998-12-11  
; PRIOR APPLICATION NUMBER: US 60/113,224  
; PRIOR FILING DATE: 1998-12-22  
; PRIOR APPLICATION NUMBER: US 09/229,413  
; PRIOR FILING DATE: 1999-01-12  
; NUMBER OF SEQ ID NOS: 3853  
; SEQ ID NO 2287  
; LENGTH: 218  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-922-293-2287

Alignment Scores:

```

Pred. No.:      22.2      Length:      218
Score:          9.00      Matches:      9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              3          Gaps:      0

US-10-030-937-9 (1-193) x US-09-922-293-2287 (1-218)

Qy      9 LeuLeuIleAlaLeuGlyLeuLeuLeu 17
      |||||
Db      186 TGTTAATCGCCCTAGGTTACTGTTG 212

RESULT 28
US-10-027-632-202246/c
; Sequence 202246, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 202246
; LENGTH: 455
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202246

Alignment Scores:
Pred. No.:      43.1      Length:      455
Score:          9.00      Matches:      9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              5          Gaps:      0

US-10-030-937-9 (1-193) x US-10-027-632-202246 (1-455)

Qy      14 GlyLeuLeuAlaThrProAlaGln 22
      |||||
Db      60 GGCCTTCTTAGCCACCCCTGCACAG 34

RESULT 29
US-10-027-632-202246/c
; Sequence 202246, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
```

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; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 202246
; LENGTH: 455
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202246

Alignment Scores:
Pred. No.:      43.1      Length:      455
Score:          9.00      Matches:      9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              6          Gaps:      0

US-10-030-937-9 (1-193) x US-10-027-632-202246 (1-455)

Qy      14 GlyLeuLeuAlaThrProAlaGln 22
      |||||
Db      60 GGCCTTCTTAGCCACCCCTGCACAG 34

RESULT 30
US-09-925-065A-876995/c
; Sequence 876995, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 876995
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-876995

Alignment Scores:
Pred. No.:      56.5      Length:      615
Score:          9.00      Matches:      9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      4.7%      Indels:      0
DB:              4          Gaps:      0

US-10-030-937-9 (1-193) x US-09-925-065A-876995 (1-615)
```



; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/765,272  
; FILING DATE: 22-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brookes, A. Anders  
; REGISTRATION NUMBER: 36,373  
; REFERENCE/DOCKET NUMBER: PB340P2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 97:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 787 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 97:  
US-09-765-272-97

Alignment Scores:  
Pred. No.: 70.6 Length: 787  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-765-272-97 (1-787)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 464 TTGCTGTGTAGGTTCCACTTCAGTA 490

## RESULT 35

US-11-106-649-97  
; Sequence 97, Application US/11106649  
; Publication No. US20050181439A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; FILE REFERENCE: PB340P2C3D1  
; CURRENT APPLICATION NUMBER: US/11/106,649  
; CURRENT FILING DATE: 2005-04-15  
; PRIOR APPLICATION NUMBER: US 09/765,271  
; PRIOR FILING DATE: 2001-01-22  
; PRIOR APPLICATION NUMBER: US 09/536,784  
; PRIOR FILING DATE: 2000-03-28  
; PRIOR APPLICATION NUMBER: US 08/961,083  
; PRIOR FILING DATE: 1997-10-30  
; PRIOR APPLICATION NUMBER: US 60/029,960  
; PRIOR FILING DATE: 1996-10-31  
; NUMBER OF SEQ ID NOS: 454  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 97  
; LENGTH: 787  
; TYPE: DNA  
; ORGANISM: Streptococcus pneumoniae  
US-11-106-649-97

Alignment Scores:  
Pred. No.: 70.6 Length: 787  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 10 Gaps: 0

US-10-030-937-9 (1-193) x US-11-106-649-97 (1-787)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 464 TTGCTGTGTAGGTTCCACTTCAGTA 490

## RESULT 36

US-09-765-272-205  
; Sequence 205, Application US/09765272  
; Patent No. US20020061545A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 452  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/765,272  
FILING DATE: 22-Jan-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/961,083  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Brookes, A. Anders  
REGISTRATION NUMBER: 36,373  
REFERENCE/DOCKET NUMBER: PB340P2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 205:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 811 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 205:

US-09-765-272-205  
Alignment Scores:  
Pred. No.: 72.5 Length: 811  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-765-272-205 (1-811)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 488 TTGCTGTGTAGGTTCCACTTCAGTA 514

## RESULT 37

US-11-106-649-205  
; Sequence 205, Application US/11106649  
; Publication No. US20050181439A1  
; GENERAL INFORMATION:  
; APPLICANT: Choi et al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; FILE REFERENCE: PB340P2C3D1  
; CURRENT APPLICATION NUMBER: US/11/106,649

; CURRENT FILING DATE: 2005-04-15  
; PRIOR APPLICATION NUMBER: US 09/765,271  
; PRIOR FILING DATE: 2001-01-22  
; PRIOR APPLICATION NUMBER: US 09/536,784  
; PRIOR FILING DATE: 2000-03-28  
; PRIOR APPLICATION NUMBER: US 08/961,083  
; PRIOR FILING DATE: 1997-10-30  
; PRIOR APPLICATION NUMBER: US 60/029,960  
; PRIOR FILING DATE: 1996-10-31  
; NUMBER OF SEQ ID NOS: 454  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 205  
; LENGTH: 811  
; TYPE: DNA  
; ORGANISM: Streptococcus pneumoniae  
US-11-106-649-205

Alignment Scores:  
Pred. No.: 72.5 Length: 811  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 10 Gaps: 0

US-10-030-937-9 (1-193) x US-11-106-649-205 (1-811)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 488 TTGTCGTGTAGGTTCCACTTCAGTA 514

RESULT 38  
US-10-472-928-4347  
; Sequence 4347, Application US/10472928  
; Publication No. US20050020813A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON Spa  
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH  
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE: P026926WO  
; CURRENT APPLICATION NUMBER: US/10/472,928  
; CURRENT FILING DATE: 2003-09-26  
; PRIOR APPLICATION NUMBER: GB-0107658.7  
; PRIOR FILING DATE: 2001-03-27  
; NUMBER OF SEQ ID NOS: 4979  
; SOFTWARE: SeqWin99, version 1.03  
; SEQ ID NO 4347  
; LENGTH: 873  
; TYPE: DNA  
; ORGANISM: Streptococcus pneumoniae  
US-10-472-928-4347

Alignment Scores:  
Pred. No.: 77.5 Length: 873  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-472-928-4347 (1-873)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 550 TTGTCGTGTAGGTTCCACTTCAGTA 576

RESULT 39  
US-10-617-320-715  
; Sequence 715, Application US/10617320  
; Publication No. US20050136404A1  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID

; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSIS  
; THERAPEUTICS  
; NUMBER OF SEQUENCES: 5206  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: <Unknown>  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: <Unknown>  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/617,320  
; FILING DATE: 10-Jul-2003  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,433  
; FILING DATE: 30-Jun-1998  
; APPLICATION NUMBER: 60/ 085131  
; FILING DATE: May 12, 1998  
; APPLICATION NUMBER: 60/051553  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-011  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 715:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 987 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: circular  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Streptococcus pneumoniae  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (B) LOCATION 1...987  
; SEQUENCE DESCRIPTION: SEQ ID NO: 715:  
US-10-617-320-715

Alignment Scores:  
Pred. No.: 86.6 Length: 987  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-617-320-715 (1-987)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 661 TTGTCGTGTAGGTTCCACTTCAGTA 687

RESULT 40  
US-10-424-599-38496  
; Sequence 38496, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 38496
; LENGTH: 1051
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_134763C.1
US-10-424-599-38496

Alignment Scores:
Pred. No.: 91.6 Length: 1051
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-424-599-38496 (1-1051)

Qy 9 LeuLeuIleAlaLeuGlyLeuLeuLeu 17
|||||
Db 186 TTGTAATCGCCCTAGGTTACTGTG 212

RESULT 41
US-08-961-527-148
; Sequence 148, Application US/08961527
; Publication No. US20020032323A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/08/961,527
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P1
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12127 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-961-527-148
Alignment Scores:
Pred. No.: 832 Length: 12127
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 2 Gaps: 0
US-10-030-937-9 (1-193) x US-08-961-527-148 (1-12127)
Qy 66 LeuSerValGlySerThrSerVal 74
|||||
Db 624 TTGCTGTGTAGTTCCACTTCAGTA 650
RESULT 42
US-10-158-844-148
; Sequence 148, Application US/10158844
; Publication No. US20040029118A1
; GENERAL INFORMATION:
; APPLICANT: Kunsch et al.
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: Dell Latitude Pentium 3
; OPERATING SYSTEM: Windows 98
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/158,844
; FILING DATE: 03-Jun-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/961,527
; FILING DATE: 1997-10-30
; APPLICATION NUMBER: US 60/029,960
; FILING DATE: 1996-10-31
; ATTORNEY/AGENT INFORMATION:
; NAME: Hyman, Mark J.
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB340P1D1
; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12127 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 148:
US-10-158-844-148
Alignment Scores:
Pred. No.: 832 Length: 12127
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.7% Indels: 0
DB: 7 Gaps: 0
US-10-030-937-9 (1-193) x US-10-158-844-148 (1-12127)
Qy 66 LeuSerValGlySerThrSerVal 74
|||||
Db 624 TTGCTGTGTAGTTCCACTTCAGTA 650
RESULT 43
US-10-472-928-4979
; Sequence 4979, Application US/10472928
; Publication No. US20050020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH



```

; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: P026926W0
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: GB-0107658.7
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: SeqWin99, version 1.03
; SEQ ID NO 4979
; LENGTH: 2162598
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-10-472-928-4979

Alignment Scores:
Pred. No.:      8.93e+04      Length:      2162598
Score:          9.00         Matches:      9
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:      4.7%       Indels:          0
DB:              8          Gaps:            0

US-10-030-937-9 (1-193) x US-10-472-928-4979 (1-2162598)

Qy      66  LeuSerValValGlySerThrSerVal 74
Db      1887665 TTGTCGTGTGTAGGTTCCACTTCAGTA 1887691

RESULT 44
US-10-719-900-237828
; Sequence 237828, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 237828
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-237828

Alignment Scores:
Pred. No.:      31.9         Length:      25
Score:          8.00         Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:      4.1%       Indels:          0
DB:              8          Gaps:            0

US-10-030-937-9 (1-193) x US-10-719-900-237828 (1-25)

Qy      184  IleLysIleAlaAlaSerLeuLys 191
Db       1  ATCAAGATTGCTGCCTCTCTCTCAAG 24

RESULT 45
US-09-908-975-22643
; Sequence 22643, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
```

```

; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22643
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-22643

Alignment Scores:
Pred. No.:      70.2         Length:      60
Score:          8.00         Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:      4.1%       Indels:          0
DB:              3          Gaps:            0

US-10-030-937-9 (1-193) x US-09-908-975-22643 (1-60)

Qy      42  GlyLysAspProAlaValIleArg 49
Db       3  GGAAAGACCCAGCTGTAATTAGA 26

RESULT 46
US-09-864-761-18267/c
; Sequence 18267, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR APPLICATION NUMBER: PCT/US01/00670
```

;  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 18267  
; LENGTH: 195  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AL121748.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.7  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.8  
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.8  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7  
; OTHER INFORMATION: EST HUMAN HIT: AA976114.1, EVALUE 1.00e-106  
; OTHER INFORMATION: SWISSPROT HIT: O14786, EVALUE 2.00e-34  
; OTHER INFORMATION: NT HIT: g11430876, EVALUE 1.00e-106  
US-09-864-761-18267

Alignment Scores:  
Pred. No.: 203 Length: 195  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-761-18267 (1-195)

Qy 153 AlaValProAspLeuGluLeuPro 160  
Db 141 GCTGTACCGATCTTGAACCTCCT 118

RESULT 47

US-10-424-599-102858/c  
; Sequence 102858, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 102858  
; LENGTH: 223  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_6389C.1  
US-10-424-599-102858

Alignment Scores:  
Pred. No.: 229 Length: 223  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-424-599-102858 (1-223)  
Qy 73 SerValProLeuSerSerProLeu 80  
Db 119 TCTGTCCCTTATCTTCACCACTG 96

RESULT 48

US-10-425-115-5227/c  
; Sequence 5227, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 5227  
; LENGTH: 274  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_104762C.1  
US-10-425-115-5227

Alignment Scores:  
Pred. No.: 276 Length: 274  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-115-5227 (1-274)

Qy 72 ThrSerValProLeuSerSerPro 79  
Db 49 ACCTCTGTGCGCTGTCCAGTCCT 26

RESULT 49

US-10-696-639-2552  
; Sequence 2552, Application US/10696639  
; Publication No. US20050037439A1  
; GENERAL INFORMATION:  
; APPLICANT: Pharmacia Corporation  
; APPLICANT: Bourner, Maureen J.  
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE  
; FILE REFERENCE: 01040/1  
; CURRENT APPLICATION NUMBER: US/10/696,639  
; CURRENT FILING DATE: 2003-10-29  
; PRIOR APPLICATION NUMBER: 60/422,176  
; PRIOR FILING DATE: 2002-10-29  
; NUMBER OF SEQ ID NOS: 3114  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2552  
; LENGTH: 301  
; TYPE: DNA  
; ORGANISM: homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (14)..(44)  
; OTHER INFORMATION: n=unknown  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (294)..(301)  
; OTHER INFORMATION: n=unknown  
US-10-696-639-2552

```
Alignment Scores:
Pred. No.: 301 Length: 301
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-696-639-2552 (1-301)

```
Qy 71 SerThrSerValProLeuSerSer 78
    |||||
Db 109 TCAACTCGGTGCCCTCTCTCCAGC 132
```

RESULT 50

```
US-09-864-761-20513/c
; Sequence 20513, Application US/09864761
; Patent No. US20020048763A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
```

```
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
```

```
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
```

```
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 20513
; LENGTH: 319
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL121748.2
```

```
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3
; OTHER INFORMATION: EST HUMAN HIT: AA987327.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: O14786, EVALUE 1.00e-51
; OTHER INFORMATION: NT HIT: AF280547.1, EVALUE 0.00e+00
US-09-864-761-20513
```

```
Alignment Scores:
Pred. No.: 317 Length: 319
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-864-761-20513 (1-319)

```
Qy 153 AlaValProAspLeuGluLeuPro 160
    |||||
Db 227 GCTGTACCCGATCTTGAACTTCCT 204
```

RESULT 51

```
US-10-425-115-120690/c
; Sequence 120690, Application US/10425115
; Publication No. US20040214272A1
```

```
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
```

```
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
```

```
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 120690
; LENGTH: 331
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
```

```
; OTHER INFORMATION: Clone ID: MRT4577_41551C.1
US-10-425-115-120690
```

```
Alignment Scores:
Pred. No.: 327 Length: 331
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0
```

US-10-030-937-9 (1-193) x US-10-425-115-120690 (1-331)

```
Qy 48 IleArgSerLeuThrLeuGluPro 55
    |||||
Db 276 ATAAGGTCCTGACTCTCGAACC 253
```

RESULT 52

```
US-09-864-408A-4241
; Sequence 4241, Application US/09864408A
; Publication No. US20040009474A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Encod
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
```

; NUMBER OF SEQ ID NOS: 9068  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 4241  
; LENGTH: 391  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-864-408A-4241

Alignment Scores:  
Pred. No.: 381 Length: 391  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-864-408A-4241 (1-391)

Qy 28 ProSerGlnLeuSerSerPheSer 35  
Db 18 CCTCCCGAGCTCAGCAGCTTCAGC 41

RESULT 53

US-09-960-352-14056  
; Sequence 14056, Application US/09960352  
; Patent No. US20020137139A1  
; GENERAL INFORMATION:  
; APPLICANT: Warren, Wesley C.  
; APPLICANT: Tao, Nengbing  
; APPLICANT: Byatt, John C.  
; APPLICANT: Mathialagan, Nagappan  
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND  
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION  
; FILE REFERENCE: 16511.006/37-21(10298)C  
; CURRENT APPLICATION NUMBER: US/09/960,352  
; CURRENT FILING DATE: 2001-09-24  
; NUMBER OF SEQ ID NOS: 15112  
; SEQ ID NO 14056  
; LENGTH: 406  
; TYPE: DNA  
; ORGANISM: Bos taurus  
; OTHER INFORMATION: Clone ID: 60-LIB3058-016-Q1-K1-G12  
US-09-960-352-14056

Alignment Scores:  
Pred. No.: 394 Length: 406  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-960-352-14056 (1-406)

Qy 144 ThrTyrSerLeuProLysSerGlu 151  
Db 166 ACTTACAGTCTCCCAAAGCGAA 189

RESULT 54

US-10-424-599-85374  
; Sequence 85374, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 85374  
; LENGTH: 420  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_48107C.1  
US-10-424-599-85374

Alignment Scores:  
Pred. No.: 406 Length: 420  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-424-599-85374 (1-420)

Qy 71 SerThrSerValProLeuSerSer 78  
Db 148 TCAACTTCAGTGCCACTAAGTTCT 171

RESULT 55

US-09-864-761-1508/c  
; Sequence 1508, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
; FILE REFERENCE: Aeomica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117

```
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 1508
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL121748.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.8
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7
US-09-864-761-1508

Alignment Scores:
Pred. No.:      415      Length:      430
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:     4.1%      Indels:      0
DB:              3      Gaps:          0

US-10-030-937-9 (1-193) x US-09-864-761-1508 (1-430)

QY      153 AlavalProaspLeuGluLeuPro 160
      |||||||
Db      403 GCTGTACCGATCTTGAACCTCCT 380

RESULT 56
US-10-972-079-35518
; Sequence 35518, Application US/10972079
; Publication No. US20050153317A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER
; TITLE OF INVENTION: LIVESTOCK
; FILE REFERENCE: MM1110-2
; CURRENT APPLICATION NUMBER: US/10/972,079
; CURRENT FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: US 60/514,333
; PRIOR FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 96631
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35518
; LENGTH: 434
; TYPE: DNA
; ORGANISM: Chicken 19866894261663_1
US-10-972-079-35518

Alignment Scores:
Pred. No.:      418      Length:      434
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:     4.1%      Indels:      0
DB:              9      Gaps:          0

US-10-030-937-9 (1-193) x US-10-972-079-35518 (1-434)

QY      66 LeuSerValGlySerThrSer 73
      |||||||
Db      292 CTCAGTGTGTAGGAGACACCTCC 315

RESULT 57
```

```
US-09-925-065A-48199
; Sequence 48199, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48199
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-48199

Alignment Scores:
Pred. No.:      435      Length:      453
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:     4.1%      Indels:      0
DB:              4      Gaps:          0

US-10-030-937-9 (1-193) x US-09-925-065A-48199 (1-453)

QY      86 LeuGluLysGluValAlaGlyLeu 93
      |||||||
Db      271 CTGGAAGAGGAGTGCGCGGTG 294

RESULT 58
US-09-917-800A-144
; Sequence 144, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
```

```
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 144
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 AA852018
; NAME/KEY: misc_feature
; LOCATION: (1)..(458)
; OTHER INFORMATION: n = a or c or g or t
US-09-917-800A-144

Alignment Scores:
Pred. No.:      439      Length:      458
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:     4.1%      Indels:      0
DB:              3      Gaps:          0

US-10-030-937-9 (1-193) x US-09-917-800A-144 (1-458)

QY      31 LeuSerSerPheSerTyrAspAen 38
      |||||
Db      354 CTGAGTAGTTTCTTGGGACAA 377

RESULT 59
US-09-918-995-8914
; Sequence 8914, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8914
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-8914

Alignment Scores:
Pred. No.:      439      Length:      458
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:     4.1%      Indels:      0
DB:              3      Gaps:          0

US-10-030-937-9 (1-193) x US-09-918-995-8914 (1-458)

QY      174 LeuSerSerGlyLysArgLeu 181
      |||||
Db      310 CTTAGCTCTTCTGGTAAACGGCTG 333

RESULT 60
US-10-437-963-18713/c
; Sequence 18713, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
```

```
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 18713
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_24245C.1
US-10-437-963-18713

Alignment Scores:
Pred. No.:      447      Length:      467
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:     4.1%      Indels:      0
DB:              7      Gaps:          0

US-10-030-937-9 (1-193) x US-10-437-963-18713 (1-467)

QY      173 ValLeuSerSerGlyLysArg 180
      |||||
Db      141 GTCCTTTCTTCTTCTGGGAGCGC 118

RESULT 61
US-09-917-800A-910/c
; Sequence 910, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 910
; LENGTH: 471
```



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; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 AI1171726
US-09-917-800A-910

Alignment Scores:
Pred. No.: 450 Length: 471
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-917-800A-910 (1-471)
QY 7 AlaProLeuLeuIleAlaLeuGly 14
Db 331 GCTCCTCTCCTCATTCATTGGGC 308

RESULT 62
US-09-918-995-30887
; Sequence 30887, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30887
; LENGTH: 484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(484)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-30887

Alignment Scores:
Pred. No.: 461 Length: 484
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-918-995-30887 (1-484)
QY 171 GluSerValLeuSerSerGly 178
Db 37 GAATCCGTACTCTCCAGTCTCTGGG 60

RESULT 63
US-10-487-901-961
; Sequence 961, Application US/10487901
; Publication No. US20050091708A1
; GENERAL INFORMATION:
; APPLICANT: Oreido, Jeremiah Vincent
; APPLICANT: McCrery, David
; APPLICANT: Pell, Randy
; APPLICANT: Miller, Barbara
; APPLICANT: Weglarz, Thaddeus
; APPLICANT: Gachotte, Daniel
; APPLICANT: Blakeslee, Beth
; APPLICANT: Larrinua, Ignacio
; APPLICANT: Reddy, Avutu
```

```
; APPLICANT: Shukla, Vipula
; APPLICANT: Crosley, Rodney
; TITLE OF INVENTION: Nucleic Acid Compositions Conferring Altered Metabolic Characteri
; FILE REFERENCE: DOW-08552
; CURRENT APPLICATION NUMBER: US/10/487,901
; CURRENT FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 7560
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 961
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Trichoderma harzianum
US-10-487-901-961

Alignment Scores:
Pred. No.: 466 Length: 490
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-10-487-901-961 (1-490)
QY 78 SerProLeuLysValAspLeuVal 85
Db 176 AGCCGCTAAAGGTGACCTGGTA 199

RESULT 64
US-09-918-995-25173/c
; Sequence 25173, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 25173
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(495)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-25173

Alignment Scores:
Pred. No.: 471 Length: 495
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-918-995-25173 (1-495)
QY 153 AlaValProAspLeuGluLeuPro 160
Db 180 GCTGTACCCGATCTTGAACCTTCCT 157

RESULT 65
US-09-925-065A-363696/c
; Sequence 363696, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
```



;  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 363696  
; LENGTH: 496  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-363696

Alignment Scores:  
Pred. No.: 472 Length: 496  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363696 (1-496)

Qy 175 SerSerSerGlyLysArgLeuGly 182  
|||||||  
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

## RESULT 66

US-09-925-065A-363697/c  
; Sequence 363697, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 363697  
; LENGTH: 496  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-363697

Alignment Scores:  
Pred. No.: 472 Length: 496  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363697 (1-496)

Qy 175 SerSerSerGlyLysArgLeuGly 182  
|||||||  
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

## RESULT 67

US-09-925-065A-363698/c  
; Sequence 363698, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 363698  
; LENGTH: 496  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-363698

## Alignment Scores:

Pred. No.: 472 Length: 496  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-363698 (1-496)

Qy 175 SerSerSerGlyLysArgLeuGly 182  
|||||||  
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237

## RESULT 68

US-09-925-065A-342350/c  
; Sequence 342350, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0

```
; SEQ ID NO 342350
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342350

Alignment Scores:
Pred. No.:          478      Length:      504
Score:              8.00     Matches:      8
Percent Similarity: 100.0%   Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:        4.1%     Indels:      0
DB:                  4       Gaps:         0

US-10-030-937-9 (1-193) x US-09-925-065A-342350 (1-504)

QY      175 SerSerSerGlyLysArgLeuGly 182
      |||||||
Db      260 AGTTCCTCTGGGAAGAGATTGGGA 237

RESULT 69
US-09-925-065A-342353/c
; Sequence 342353, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 342353
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342353

Alignment Scores:
Pred. No.:          478      Length:      504
Score:              8.00     Matches:      8
Percent Similarity: 100.0%   Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:        4.1%     Indels:      0
DB:                  4       Gaps:         0

US-10-030-937-9 (1-193) x US-09-925-065A-342353 (1-504)

QY      175 SerSerSerGlyLysArgLeuGly 182
      |||||||
Db      260 AGTTCCTCTGGGAAGAGATTGGGA 237

RESULT 70
US-09-925-065A-426529/c
; Sequence 426529, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
```

```
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 426529
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426529

Alignment Scores:
Pred. No.:          486      Length:      513
Score:              8.00     Matches:      8
Percent Similarity: 100.0%   Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:        4.1%     Indels:      0
DB:                  4       Gaps:         0

US-10-030-937-9 (1-193) x US-09-925-065A-426529 (1-513)

Qy      174 LeuSerSerSerGlyLysArgLeu 181
      |||||||
Db      332 CTTAGCTCTTCTGTAAACGGCTG 309

RESULT 71
US-09-925-065A-426530/c
; Sequence 426530, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 426530
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426530

Alignment Scores:
Pred. No.:          486      Length:      513
Score:              8.00     Matches:      8
Percent Similarity: 100.0%   Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:        4.1%     Indels:      0
DB:                  4       Gaps:         0

US-10-030-937-9 (1-193) x US-09-925-065A-426530 (1-513)

Qy      174 LeuSerSerSerGlyLysArgLeu 181
```

Db 332 CTTAGCTCTTCTGGTAAACGGCTG 309  
RESULT 72  
US-09-925-065A-311390  
; Sequence 311390, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 311390  
; LENGTH: 516  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-311390  
Alignment Scores:  
Pred. No.: 489 Length: 516  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-311390 (1-516)  
Qy 71 SerThrSerValProLeuSerSer 78  
Db 204 TCAACATCTGTGCCCTGTGCATCC 227  
RESULT 73  
US-09-925-065A-410117/c  
; Sequence 410117, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 410117  
; LENGTH: 523  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-925-065A-410117  
Alignment Scores:  
Pred. No.: 495 Length: 523  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-410117 (1-523)  
Qy 144 ThrTyrSerLeuProLysSerGlu 151  
Db 168 ACTTATAGTTTACCAAAAGTGAA 145  
RESULT 74  
US-09-925-065A-515183  
; Sequence 515183, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 515183  
; LENGTH: 531  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-515183  
Alignment Scores:  
Pred. No.: 502 Length: 531  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-515183 (1-531)  
Qy 75 ProLeuSerSerProLeuLysVal 82  
Db 447 CCTCTTTCTTCTCCCTTAAGGTT 470  
RESULT 75  
US-09-925-065A-410116/c  
; Sequence 410116, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147

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; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 410116
; LENGTH: 542
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-410116

Alignment Scores:
Pred. No.:      511      Length:      542
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              4        Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-410116 (1-542)

Qy      144 ThrTyrSerLeuProLysSerGlu 151
      |||||
Db      202 ACTTATAGTTTACCACAAAAGTGAA 179

RESULT 76
US-09-925-065A-190128/c
; Sequence 190128, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 190128
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-190128

Alignment Scores:
Pred. No.:      544      Length:      581
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              4        Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-190128 (1-581)

Qy      47 ValIleArgSerLeuThrIleuGlu 54
      |||||
Db      215 GTGATTAGAGTCTCACTTTGGAA 192

RESULT 77
```

```
US-09-925-065A-439582
; Sequence 439582, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 439582
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-439582

Alignment Scores:
Pred. No.:      549      Length:      587
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              4        Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-439582 (1-587)

Qy      73 SerValProLeuSerSerProLeu 80
      |||||
Db      416 TCTGTCTCTCTTTCTCTCTCTC 439

RESULT 78
US-10-027-632-277778/c
; Sequence 277778, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 277778
; LENGTH: 593
; TYPE: DNA
; ORGANISM: Human
```

```
US-10-027-632-277778
Alignment Scores:
Pred. No.: 554 Length: 593
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-277778 (1-593)
QY 161 SerTrpLeuThrThrGlyAsnTyr 168
| | | | | | | | | | | | | | | | | | | | |
Db 593 AGCTGGCTCACCACAGGGAACACTAC 570

RESULT 79
US-10-027-632-277778/c
; Sequence 277778, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 277778
; LENGTH: 593
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-277778
Alignment Scores:
Pred. No.: 554 Length: 593
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-277778 (1-593)
QY 161 SerTrpLeuThrThrGlyAsnTyr 168
| | | | | | | | | | | | | | | | | | | | |
Db 593 AGCTGGCTCACCACAGGGAACACTAC 570

RESULT 80
US-09-925-065A-540332/c
; Sequence 540332, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
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; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 540332
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540332
Alignment Scores:
Pred. No.: 555 Length: 594
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-540332 (1-594)
QY 13 LeuGlyLeuLeuAlaThrPro 20
| | | | | | | | | | | | | | | | | | | | |
Db 173 CTAGGACTTCTGTTGGCAACTCCC 150

RESULT 81
US-09-925-065A-540333/c
; Sequence 540333, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 540333
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540333
Alignment Scores:
Pred. No.: 555 Length: 594
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 4 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-540333 (1-594)
QY 13 LeuGlyLeuLeuAlaThrPro 20
```

Db 173 CTAGGACTTCTGTTGGCAACTCCC 150  
RESULT 82  
US-09-925-065A-942407/c  
; Sequence 942407, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 942407  
; LENGTH: 594  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-942407  
Alignment Scores:  
Pred. No.: 555 Length: 594  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-942407 (1-594)  
QY 39 CysPheGluGlyLysAspProAla 46  
Db 112 TGCTTTGAAGGGAAGGACCCAGCC 89  
RESULT 83  
US-09-925-065A-942408/c  
; Sequence 942408, Application US/09925065A  
; Publication No. US20050228172A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 942408  
; LENGTH: 594  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-925-065A-942408  
Alignment Scores:  
Pred. No.: 555 Length: 594  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 4 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-942408 (1-594)  
QY 39 CysPheGluGlyLysAspProAla 46  
Db 112 TGCTTTGAAGGGAAGGACCCAGCC 89  
RESULT 84  
US-10-972-079-78815/c  
; Sequence 78815, Application US/10972079  
; Publication No. US20050153317A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: ROSENFELD, David  
; APPLICANT: KERR, Richard  
; APPLICANT: BATES, Stephen  
; APPLICANT: HOLM, Tom  
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF  
; LIVESTOCK  
; TITLE OF INVENTION: MM11110-2  
; FILE REFERENCE: MM11110-2  
; CURRENT APPLICATION NUMBER: US/10/972,079  
; CURRENT FILING DATE: 2004-10-22  
; PRIOR APPLICATION NUMBER: US 60/514,333  
; PRIOR FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 96631  
; SOFTWARE: PatentIN version 3.1  
; SEQ ID NO 78815  
; LENGTH: 600  
; TYPE: DNA  
; ORGANISM: Chicken 19866894369026\_1  
US-10-972-079-78815  
Alignment Scores:  
Pred. No.: 560 Length: 600  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 9 Gaps: 0  
US-10-030-937-9 (1-193) x US-10-972-079-78815 (1-600)  
QY 3 SerLeuMetGlnAlaProLeuLeu 10  
Db 500 TCATTAATGCAAGCACCTCTTCTA 477  
RESULT 85  
US-10-027-632-308245  
; Sequence 308245, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29



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; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 308245
; LENGTH: 602
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-308245

Alignment Scores:
Pred. No.: 562 Length: 602
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-308245 (1-602)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
| | | | | | | | | | | | | | | | | |
Db 76 ATTGCTCTGGCCCTACTCCTAGCA 99

RESULT 86
US-10-027-632-308245
; Sequence 308245, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 308245
; LENGTH: 602
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-308245

Alignment Scores:
Pred. No.: 562 Length: 602
```

```

Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-308245 (1-602)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
| | | | | | | | | | | | | | | | | |
Db 76 ATTGCTCTGGCCCTACTCCTAGCA 99

RESULT 87
US-10-027-632-86778
; Sequence 86778, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86778
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-86778

Alignment Scores:
Pred. No.: 573 Length: 615
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-86778 (1-615)

Qy 157 LeuGluLeuProSerTrpLeuThr 164
| | | | | | | | | | | | | | | | | |
Db 493 CTGGAGCTGCCATCCTGGCTCACA 516

RESULT 88
US-10-027-632-86778
; Sequence 86778, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
```



; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86778
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-86778

Alignment Scores:
Pred. No.: 573 Length: 615
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-86778 (1-615)

Qy 157 LeuGlyLeuProSerTrpLeuThr 164

Db 493 CTGGAGCTGCCATCTTGGCTCACA 516

RESULT 89

US-10-027-632-286832/c
; Sequence 286832, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129

; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 286832
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-286832

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286832 (1-617)

Qy 13 LeuGlyLeuLeuAlaThrPro 20

Db 355 CTAGGACTCCTTTTAGCGACACCT 332

RESULT 90

US-10-027-632-286833/c
; Sequence 286833, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129

; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 286833
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-286833

Alignment Scores:

Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 5 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286833 (1-617)

Qy 13 LeuGlyLeuLeuAlaThrPro 20

Db 355 CTAGGACTCCTTTTAGCGACACCT 332

RESULT 91

US-10-027-632-286832/c
; Sequence 286832, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129

; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 286832
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-286832

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286832 (1-617)

Qy 13 LeuGlyLeuLeuAlaThrPro 20
|||||
Db 355 CTAGGACTCCTTTTAGCGACACCT 332

RESULT 92

US-10-027-632-286833/c
; Sequence 286833, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 286833
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-286833

Alignment Scores:
Pred. No.: 574 Length: 617
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-10-027-632-286833 (1-617)

Qy 13 LeuGlyLeuLeuAlaThrPro 20
|||||

Db 355 CTAGGACTCCTTTTAGCGACACCT 332

RESULT 93

US-10-425-114-17809
; Sequence 17809, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 17809
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3075-030-A9\_FLI
US-10-425-114-17809

Alignment Scores:

Pred. No.: 575 Length: 618
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 7 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-114-17809 (1-618)

Qy 142 GluGlyThrTyrSerLeuProLys 149

|||||
Db 31 GAGGGGACCTATTCCCTTCCAAAG 54

RESULT 94

US-10-425-115-153765
; Sequence 153765, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 153765
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577\_71811C.1
US-10-425-115-153765

Alignment Scores:

Pred. No.: 575 Length: 618
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-425-115-153765 (1-618)

```
QY      142 GluGlyThrTyrSerLeuProLys 149
      |||||
Db      31 GAGGGGACCTATTCCCTTCCAAAG 54

RESULT 95
US-09-925-065A-945891/c
; Sequence 945891, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 945891
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945891

Alignment Scores:
Pred. No.:      576      Length:      619
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels: 0
DB:             4      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-945891 (1-619)
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945891

QY      172 SerValLeuSerSerGlyLys 179
      |||||
Db      397 TCTGTCTGAGCAGTTCTGGGAAG 374

RESULT 96
US-09-925-065A-947649/c
; Sequence 947649, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 947649
; LENGTH: 620
```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-947649

Alignment Scores:
Pred. No.:      577      Length:      620
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels: 0
DB:             4      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-947649 (1-620)

QY      172 SerValLeuSerSerGlyLys 179
      |||||
Db      397 TCTGTCTGAGCAGTTCTGGGAAG 374

RESULT 97
US-09-925-065A-945883
; Sequence 945883, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 945883
; LENGTH: 623
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945883

Alignment Scores:
Pred. No.:      579      Length:      623
Score:          8.00      Matches:      8
Percent Similarity: 100.0%      Conservative: 0
Best Local Similarity: 100.0%      Mismatches: 0
Query Match:    4.1%      Indels: 0
DB:             4      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-945883 (1-623)

QY      172 SerValLeuSerSerGlyLys 179
      |||||
Db      228 TCTGTCTGAGCAGTTCTGGGAAG 251

RESULT 98
US-10-357-930-22048/c
; Sequence 22048, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
```

```
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22048
; LENGTH: 623
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 4, 618, 623
; OTHER INFORMATION: n = A,T,C or G
US-10-357-930-22048

Alignment Scores:
Pred. No.:          579          Length:      623
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:   0
Query Match:        4.1%          Indels:       0
DB:                 8             Gaps:         0

US-10-030-937-9 (1-193) x US-10-357-930-22048 (1-623)

Qy      153 AlavalProaspLeuGluleuPro 160
      |||||||||||||||||||
Db      149 GCTGTACCCGATCTTGAACCTCCT 126

RESULT 99
US-10-357-930-27904/c
; Sequence 27904, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27904
```

```
; LENGTH: 623
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 4, 618, 623
; OTHER INFORMATION: n = A,T,C or G
US-10-357-930-27904

Alignment Scores:
Pred. No.:          579          Length:      623
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:   0
Query Match:        4.1%          Indels:       0
DB:                 8             Gaps:         0

US-10-030-937-9 (1-193) x US-10-357-930-27904 (1-623)

Qy      153 AlavalProaspLeuGluleuPro 160
      |||||||||||||||||||
Db      149 GCTGTACCCGATCTTGAACCTCCT 126

RESULT 100
US-09-925-065A-911310
; Sequence 911310, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 911310
; LENGTH: 632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-911310

Alignment Scores:
Pred. No.:          587          Length:      632
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:   0
Query Match:        4.1%          Indels:       0
DB:                 4             Gaps:         0

US-10-030-937-9 (1-193) x US-09-925-065A-911310 (1-632)

Qy      29 SerGlnLeuSerSerPheSerTrp 36
      |||||||||||||||||||
Db      479 TCTCAGCTCTCCTCTTTTTCCTGG 502

Search completed: February 16, 2006, 14:10:22
Job time : 1027 secs
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GenCore version 5.1.7  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 13:52:34 ; Search time 427 Seconds  
(without alignments)  
959.458 Million cell updates/sec

Title: US-10-030-937-9

Perfect score: 193

Sequence: 1 MQLMQAPLLIALGLLATP.....LSSSGKRLGCIKIAASLKG1 193

Scoring table:

OLIGO  
Xgapop 60.0 , Xgapext 60.0  
Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 7204252 seqs, 1061369211 residues

Word size: 1

Total number of hits satisfying chosen parameters: 14406945

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Command line parameters:

-MODEL=frame+p2n.model -DEV=xlp  
-Q=/abss/ABSSWEB\_spool/US10030937/runat\_15022006\_055752\_6454/app\_query.fasta\_1  
-DB=Published\_Applications\_NA\_New -QFMT=fastap -SUFFIX=oligo.rnpbn  
-MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=oligo  
-TRANS=human40.cdi -LIST=150 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1  
-ALIGN=100 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -HOST=abss05p  
-USER=US10030937@CGN\_1\_1\_335@runat\_15022006\_055752\_6454 -NCPU=6 -ICPU=3  
-NO MMAP -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG -DEV TIMEOUT=120  
-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6 -FGAPEXT=7  
-YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published\_Applications\_NA\_New:\*

1: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*  
2: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*  
5: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
6: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq1:\*  
7: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq1:\*  
9: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq2:\*  
10: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq3:\*  
11: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq4:\*  
12: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq4:\*  
13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query Match	Length	ID	Description
-----	-----	-----	-----	-----	-----	-----
1	112	58.0	2471	8	US-10-821-234-310	Sequence 310, App
2	10	5.2	73072	12	US-11-124-368A-2919	Sequence 2919, Ap
C 3	9	4.7	615	6	US-09-925-065A-876995	Sequence 876995,
C 4	9	4.7	615	6	US-09-925-065A-905985	Sequence 905985,

5	9	4.7	621	6	US-09-925-065A-877564	Sequence 877564,
C 6	9	4.7	6942	12	US-11-013-759-10	Sequence 10, Appl
7	9	4.7	163317	12	US-11-117-187-212	Sequence 212, App
8	8	4.1	25	12	US-11-121-849-108668	Sequence 108668,
9	8	4.1	25	12	US-11-121-849-108669	Sequence 108669,
10	8	4.1	201	12	US-11-124-368A-6788	Sequence 6788, Ap
11	8	4.1	453	6	US-09-925-065A-48199	Sequence 48199, A
C 12	8	4.1	496	6	US-09-925-065A-363696	Sequence 363696,
C 13	8	4.1	496	6	US-09-925-065A-363697	Sequence 363697,
C 14	8	4.1	496	6	US-09-925-065A-363698	Sequence 363698,
C 15	8	4.1	504	6	US-09-925-065A-342350	Sequence 342350,
C 16	8	4.1	504	6	US-09-925-065A-342353	Sequence 342353,
C 17	8	4.1	513	6	US-09-925-065A-426529	Sequence 426529,
C 18	8	4.1	513	6	US-09-925-065A-426530	Sequence 426530,
C 19	8	4.1	516	6	US-09-925-065A-311390	Sequence 311390,
C 20	8	4.1	523	6	US-09-925-065A-410117	Sequence 410117,
C 21	8	4.1	531	6	US-09-925-065A-515183	Sequence 515183,
C 22	8	4.1	542	6	US-09-925-065A-410116	Sequence 410116,
C 23	8	4.1	581	6	US-09-925-065A-190128	Sequence 190128,
C 24	8	4.1	587	6	US-09-925-065A-439582	Sequence 439582,
C 25	8	4.1	594	6	US-09-925-065A-540332	Sequence 540332,
C 26	8	4.1	594	6	US-09-925-065A-540333	Sequence 540333,
C 27	8	4.1	594	6	US-09-925-065A-942407	Sequence 942407,
C 28	8	4.1	594	6	US-09-925-065A-942408	Sequence 942408,
C 29	8	4.1	619	6	US-09-925-065A-945891	Sequence 945891,
C 30	8	4.1	620	6	US-09-925-065A-947649	Sequence 947649,
C 31	8	4.1	623	6	US-09-925-065A-945883	Sequence 945883,
C 32	8	4.1	632	6	US-09-925-065A-911310	Sequence 911310,
C 33	8	4.1	635	6	US-09-925-065A-428741	Sequence 428741,
C 34	8	4.1	648	6	US-09-925-065A-177255	Sequence 177255,
C 35	8	4.1	711	8	US-10-986-501-56	Sequence 56, Appl
C 36	8	4.1	717	8	US-10-750-185-30052	Sequence 30052, A
C 37	8	4.1	717	8	US-10-750-623-30052	Sequence 30052, A
C 38	8	4.1	731	6	US-09-925-065A-87117	Sequence 87117, A
C 39	8	4.1	731	6	US-09-925-065A-87118	Sequence 87118, A
C 40	8	4.1	731	6	US-09-925-065A-87119	Sequence 87119, A
41	8	4.1	761	12	US-11-128-061-58	Sequence 58, Appl
42	8	4.1	761	12	US-11-128-049-58	Sequence 58, Appl
43	8	4.1	1035	6	US-09-925-065A-4076	Sequence 4076, Ap
44	8	4.1	1035	6	US-09-925-065A-4077	Sequence 4077, Ap
45	8	4.1	1035	6	US-09-925-065A-4078	Sequence 4078, Ap
46	8	4.1	1035	6	US-09-925-065A-4079	Sequence 4079, Ap
47	8	4.1	1035	6	US-09-925-065A-87106	Sequence 87106, A
48	8	4.1	1035	6	US-09-925-065A-87107	Sequence 87107, A
C 49	8	4.1	1216	8	US-10-750-185-25958	Sequence 25958, A
C 50	8	4.1	1216	8	US-10-750-623-25958	Sequence 25958, A
51	8	4.1	1243	6	US-09-925-065A-70037	Sequence 70037, A
52	8	4.1	1268	8	US-10-750-185-53107	Sequence 53107, A
53	8	4.1	1268	8	US-10-750-623-53107	Sequence 53107, A
54	8	4.1	1683	6	US-09-925-065A-47291	Sequence 47291, A
55	8	4.1	1683	6	US-09-925-065A-47292	Sequence 47292, A
56	8	4.1	1942	6	US-09-925-065A-719938	Sequence 719938,
C 57	8	4.1	2408	6	US-09-925-065A-674609	Sequence 674609,
C 58	8	4.1	2772	9	US-11-075-047A-112	Sequence 112, App
59	8	4.1	2899	9	US-11-245-147-187	Sequence 187, App
60	8	4.1	3120	8	US-10-821-234-328	Sequence 328, App
61	8	4.1	3260	12	US-11-136-527-2356	Sequence 2356, Ap
62	8	4.1	36741	12	US-11-127-832-12	Sequence 12, Appl
63	8	4.1	98345	12	US-11-112-908-36	Sequence 36, Appl
C 64	7	3.6	23	8	US-10-310-914A-678003	Sequence 678003,
C 65	7	3.6	24	8	US-10-310-914A-813490	Sequence 813490,
66	7	3.6	25	12	US-11-121-849-591268	Sequence 591268,
67	7	3.6	25	12	US-11-136-527-144375	Sequence 144375,
68	7	3.6	25	12	US-11-136-527-144394	Sequence 144394,
C 69	7	3.6	25	12	US-11-136-527-218553	Sequence 218553,
C 70	7	3.6	25	12	US-11-136-527-218586	Sequence 218586,
71	7	3.6	25	12	US-11-136-527-349660	Sequence 349660,
72	7	3.6	25	12	US-11-136-527-349669	Sequence 349669,
C 73	7	3.6	50	12	US-11-175-859-98025	Sequence 98025, A
74	7	3.6	89	8	US-10-310-914A-18536	Sequence 18536, A
C 75	7	3.6	200	12	US-11-098-686-145	Sequence 145, App
76	7	3.6	200	12	US-11-098-686-1602	Sequence 1602, Ap
C 77	7	3.6	200	12	US-11-098-686-2531	Sequence 2531, Ap





Qy 180 rgLeuGlyCysIleLysIleAlaAalaSerLeuLysGlyIle 193  
|||||  
Db 634 GTCTGGGCTGCATCAAGATCGCTGCCTCTCTAAAGGGCATA 674

RESULT 2  
US-11-124-368A-2919  
; Sequence 2919, Application US/11124368A  
; Publication No. US20050287559A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: James J. Devlin  
; APPLICANT: May Luke  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001524  
; CURRENT APPLICATION NUMBER: US/11/124,368A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,845  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/625,936  
; PRIOR FILING DATE: 2004-11-09  
; NUMBER OF SEQ ID NOS: 21112  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2919  
; LENGTH: 73072  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-11-124-368A-2919  
Alignment Scores:  
Pred. No.: 239 Length: 73072  
Score: 10.00 Matches: 10  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 5.2% Indels: 0  
DB: 12 Gaps: 0  
US-10-030-937-9 (1-193) x US-11-124-368A-2919 (1-73072)

Qy 79 ProLeuLysValAspLeuValLeuGluLys 88  
|||||  
Db 1168 CCGTTGAAGTAGACTTAGTTTGGAAAAA 1197

RESULT 3  
US-09-925-065A-876995/c  
; Sequence 876995, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 876995  
; LENGTH: 615  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-876995  
Alignment Scores:

Pred. No.: 19.4 Length: 615  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 6 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-876995 (1-615)  
Qy 9 LeuLeuIleAlaLeuGlyLeuLeu 17  
|||||  
Db 308 TTACTAATGCGCTAGGTTTACTGCTG 282

RESULT 4  
US-09-925-065A-905985/c  
; Sequence 905985, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 905985  
; LENGTH: 615  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-905985  
Alignment Scores:  
Pred. No.: 19.4 Length: 615  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 6 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-905985 (1-615)  
Qy 9 LeuLeuIleAlaLeuGlyLeuLeu 17  
|||||  
Db 308 TTACTAATGCGCTAGGTTTACTGCTG 282

RESULT 5  
US-09-925-065A-877564  
; Sequence 877564, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 877564  
; LENGTH: 621  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-877564

Alignment Scores:  
Pred. No.: 19.6 Length: 621  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-877564 (1-621)

QY 9 LeuLeuIleAlaLeuGlyLeuLeu 17  
|||||  
Db 309 TTACTAATTGGCTAGGTTACTGCTG 335

RESULT 6

US-11-013-759-10/c  
; Sequence 10, Application US/11013759  
; Publication No. US20050249747A1  
; GENERAL INFORMATION:  
; APPLICANT: Loosmore, Sheena M.  
; APPLICANT: Sasaki, Ken  
; APPLICANT: Yang, Yan Ping  
; APPLICANT: Klein, Michel H.  
; TITLE OF INVENTION: RECOMBINANT HIGH MOLECULAR WEIGHT MAJOR OUTER MEMBRANE  
; TITLE OF INVENTION: PROTEIN OF MORAXELLA  
; FILE REFERENCE: 1038-921MIS:jb  
; CURRENT APPLICATION NUMBER: US/11/013,759  
; CURRENT FILING DATE: 2004-12-16  
; PRIOR APPLICATION NUMBER: US/09/361,619  
; PRIOR FILING DATE: 1999-07-27  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 10  
; LENGTH: 6942  
; TYPE: DNA  
; ORGANISM: Moraxella catarrhalis  
US-11-013-759-10

Alignment Scores:  
Pred. No.: 243 Length: 6942  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-013-759-10 (1-6942)

QY 74 ValProLeuSerSerProLeuLysVal 82  
|||||  
Db 1088 GTACCGTTATCATCACCCCTTAAAGTA 1062

RESULT 7

US-11-117-187-212  
; Sequence 212, Application US/11117187  
; Publication No. US20050266560A1  
; GENERAL INFORMATION:  
; APPLICANT: PREUSS, DAPHNE  
; APPLICANT: COPENHAVER, GREGORY  
; TITLE OF INVENTION: PLANT ARTIFICIAL CHROMOSOME COMPOSITIONS AND METHODS  
; FILE REFERENCE: ARCD:309US

; CURRENT APPLICATION NUMBER: US/11/117,187  
; CURRENT FILING DATE: 2005-04-28  
; PRIOR APPLICATION NUMBER: US/09/531,120  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: 60/125,219  
; PRIOR FILING DATE: 1999-03-18  
; NUMBER OF SEQ ID NOS: 212  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 212  
; LENGTH: 163317  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-11-117-187-212

Alignment Scores:  
Pred. No.: 6.58e+03 Length: 163317  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-117-187-212 (1-163317)

QY 72 ThrSerValProLeuSerSerProLeu 80  
|||||  
Db 105265 ACTTCAGTACCAATTGCTTCTCCATTA 105291

RESULT 8

US-11-121-849-108668  
; Sequence 108668, Application US/11121849  
; Publication No. US20050272080A1  
; GENERAL INFORMATION:  
; APPLICANT: John Palma  
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S  
; TITLE OF INVENTION: Microarrays  
; FILE REFERENCE: 3684.1  
; CURRENT APPLICATION NUMBER: US/11/121,849  
; CURRENT FILING DATE: 2005-05-03  
; PRIOR APPLICATION NUMBER: 60/567,949  
; PRIOR FILING DATE: 2004-05-03  
; NUMBER OF SEQ ID NOS: 673904  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 108668  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-11-121-849-108668

Alignment Scores:  
Pred. No.: 8.14 Length: 25  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-121-849-108668 (1-25)

QY 184 IleLysIleAlaAlaSerLeuLys 191  
|||||  
Db 1 ATCAAGATCGTCGCTCTCTAAAG 24

RESULT 9

US-11-121-849-108669  
; Sequence 108669, Application US/11121849  
; Publication No. US20050272080A1  
; GENERAL INFORMATION:  
; APPLICANT: John Palma  
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S  
; TITLE OF INVENTION: Microarrays  
; FILE REFERENCE: 3684.1  
; CURRENT APPLICATION NUMBER: US/11/121,849

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; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 108669
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-108669

Alignment Scores:
Pred. No.:      8.14      Length:      25
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             12       Gaps:        0

US-10-030-937-9 (1-193) x US-11-121-849-108669 (1-25)

Qy      186 IleAlaSerLeuLysGlyIle 193
Db      1 ATCGCTGCCTCTCTAAAGGGCATA 24

RESULT 10
US-11-124-368A-6788
; Sequence 6788, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6788
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-6788

Alignment Scores:
Pred. No.:      71.7      Length:      201
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             12       Gaps:        0

US-10-030-937-9 (1-193) x US-11-124-368A-6788 (1-201)

Qy      183 CysIleLysIleAlaAlaSerLeu 190
Db      72 TGTATCAAAATAGCCGCATCTCTT 95

RESULT 11
US-09-925-065A-48199
; Sequence 48199, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
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; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48199
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-48199

Alignment Scores:
Pred. No.:      167      Length:      453
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-48199 (1-453)

Qy      86 LeuGluLysGluValAlaGlyLeu 93
Db      271 CTGGAAGGAAGTGGCCGGTTG 294

RESULT 12
US-09-925-065A-363696/c
; Sequence 363696, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 363696
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-363696

Alignment Scores:
Pred. No.:      184      Length:      496
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-363696 (1-496)
```



```
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 342353
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-342353
```

```
Alignment Scores:
Pred. No.: 187 Length: 504
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-925-065A-342353 (1-504)

```
Qy 175 SerSerSerGlyLysArgLeuGly 182
Db 260 AGTTCCTCTGGGAAGAGATTGGGA 237
```

RESULT 17

```
US-09-925-065A-426529/c
; Sequence 426529, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 426529
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426529
```

```
Alignment Scores:
Pred. No.: 191 Length: 513
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-925-065A-426529 (1-513)

```
Qy 174 LeuSerSerGlyLysArgLeu 181
Db 332 CTTAGCTCTTGTGTAACGGCTG 309
```

```
RESULT 18
US-09-925-065A-426530/c
; Sequence 426530, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 426530
; LENGTH: 513
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-426530
```

```
Alignment Scores:
Pred. No.: 191 Length: 513
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-925-065A-426530 (1-513)

```
Qy 174 LeuSerSerGlyLysArgLeu 181
Db 332 CTTAGCTCTTGTGTAACGGCTG 309
```

RESULT 19

```
US-09-925-065A-311390
; Sequence 311390, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 311390
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-311390
```

Alignment Scores:

```

Pred. No.:      192      Length:      516
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-311390 (1-516)

QY      71 SerThrSerValProLeuSerSer 78
      |||||||
Db      204 TCAACATCTGTGCCCTGTGCATCC 227

RESULT 20
US-09-925-065A-410117/c
; Sequence 410117, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 410117
; LENGTH: 523
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-410117

Alignment Scores:
Pred. No.:      195      Length:      523
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-410117 (1-523)

QY      144 ThrTyrSerLeuProLysSerGlu 151
      |||||||
Db      168 ACTTATAGTTTACCAAAAAGTGAA 145

RESULT 21
US-09-925-065A-515183
; Sequence 515183, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 410117
; LENGTH: 523
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-515183

Pred. No.:      202      Length:      542
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-410116 (1-542)

QY      144 ThrTyrSerLeuProLysSerGlu 151
      |||||||
Db      202 ACTTATAGTTTACCAAAAAGTGAA 179

RESULT 23
US-09-925-065A-190128/c
; Sequence 190128, Application US/09925065A
; Publication No. US20040181048A1
```

```

; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 515183
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-515183

Alignment Scores:
Pred. No.:      198      Length:      531
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-515183 (1-531)

QY      75 ProLeuSerSerProLeuLysVal 82
      |||||||
Db      447 CCTCTTCTTCTCCCTTAAGGTT 470

RESULT 22
US-09-925-065A-410116/c
; Sequence 410116, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 410116
; LENGTH: 542
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-410116

Alignment Scores:
Pred. No.:      202      Length:      542
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:             6       Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-410116 (1-542)

QY      144 ThrTyrSerLeuProLysSerGlu 151
      |||||||
Db      202 ACTTATAGTTTACCAAAAAGTGAA 179

RESULT 23
US-09-925-065A-190128/c
; Sequence 190128, Application US/09925065A
; Publication No. US20040181048A1
```



```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 190128
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-190128
```

```
Alignment Scores:
Pred. No.: 217 Length: 581
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-925-065A-190128 (1-581)

```
Qy 47 ValIleArgSerLeuThrLeuGlu 54
      |||||
Db 215 GTGATTAGGAGTCTCATTGGAA 192
```

```
RESULT 24
US-09-925-065A-439582
; Sequence 439582, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 439582
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-439582
```

```
Alignment Scores:
Pred. No.: 220 Length: 587
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
```

```
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0
US-10-030-937-9 (1-193) x US-09-925-065A-439582 (1-587)
Qy 73 SerValProLeuSerSerProLeu 80
      |||||
Db 416 TCTGTTCTCTTCTCTCTCTCTC 439
RESULT 25
US-09-925-065A-540332/c
; Sequence 540332, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 540332
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540332
Alignment Scores:
Pred. No.: 222 Length: 594
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0
US-10-030-937-9 (1-193) x US-09-925-065A-540332 (1-594)
Qy 13 LeuGlyLeuLeuAlaThrPro 20
      |||||
Db 173 CTAGGACTTCTGTTGGCAACTCCC 150
RESULT 26
US-09-925-065A-540333/c
; Sequence 540333, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
```



```

; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 540333
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-540333

Alignment Scores:
Pred. No.:      222      Length:      594
Score:          8.00    Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels:      0
DB:             6      Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-540333 (1-594)

QY      13  LeuGlyLeuLeuLeuAlaThrPro 20
Db      173 CTAGGACTTCTGTTGGCAACTCCC 150

RESULT 27
US-09-925-065A-942407/c
; Sequence 942407, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942407

Alignment Scores:
Pred. No.:      222      Length:      594
Score:          8.00    Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels:      0
DB:             6      Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-942407 (1-594)

QY      39  CysPheGluGlyLysAspProAla 46
Db      112 TGCTTTGAAGGGAAGGACCCAGCC 89

RESULT 28
US-09-925-065A-942408/c
; Sequence 942408, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942408
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942408

Alignment Scores:
Pred. No.:      232      Length:      619
Score:          8.00    Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels:      0
DB:             6      Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-942408 (1-619)

```

```

; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942408
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942408

Alignment Scores:
Pred. No.:      222      Length:      594
Score:          8.00    Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels:      0
DB:             6      Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-942408 (1-594)

QY      39  CysPheGluGlyLysAspProAla 46
Db      112 TGCTTTGAAGGGAAGGACCCAGCC 89

RESULT 29
US-09-925-065A-945891/c
; Sequence 945891, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 945891
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-945891

Alignment Scores:
Pred. No.:      232      Length:      619
Score:          8.00    Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels:      0
DB:             6      Gaps:       0

US-10-030-937-9 (1-193) x US-09-925-065A-945891 (1-619)

```

QY 172 SerValLeuSerSerSerGlyLys 179  
|||||  
Db 397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 30  
US-09-925-065A-947649/c  
; Sequence 947649, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 947649  
; LENGTH: 620  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-947649

Alignment Scores:  
Pred. No.: 232 Length: 620  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-947649 (1-620)

QY 172 SerValLeuSerSerSerGlyLys 179  
|||||  
Db 397 TCTGTTCTGAGCAGTTCTGGGAAG 374

RESULT 31  
US-09-925-065A-945883  
; Sequence 945883, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 945883  
; LENGTH: 623

; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-945883  
Alignment Scores:  
Pred. No.: 234 Length: 623  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 6 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-945883 (1-623)  
QY 172 SerValLeuSerSerSerGlyLys 179  
|||||  
Db 228 TCTGTTCTGAGCAGTTCTGGGAAG 251  
RESULT 32  
US-09-925-065A-911310  
; Sequence 911310, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 911310  
; LENGTH: 632  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-911310  
Alignment Scores:  
Pred. No.: 237 Length: 632  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 6 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-925-065A-911310 (1-632)  
QY 29 SerGlnLeuSerSerPheSerTrp 36  
|||||  
Db 479 TCTCAGCTCTCCTCTTTTTCCTGG 502  
RESULT 33  
US-09-925-065A-428741/c  
; Sequence 428741, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096

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; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 428741
; LENGTH: 635
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-428741

Alignment Scores:
Pred. No.:      238      Length:      635
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             6        Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-428741 (1-635)

Qy      136 CysHisCysProPhelysGluGly 143
      |||||||
Db      114 TGCCACTGTCCTTTTAAAGAAGGA 91

RESULT 34
US-09-925-065A-177255/c
; Sequence 177255, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 10827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 177255
; LENGTH: 648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-177255

Alignment Scores:
Pred. No.:      243      Length:      648
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             6        Gaps:        0

US-10-030-937-9 (1-193) x US-09-925-065A-177255 (1-648)

Qy      74 ValProLeuSerSerProLeuLys 81
      |||||||
Db      558 GTCCCACTTCTTCACTCTCAAA 535
```

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RESULT 35
US-10-986-501-56
; Sequence 56, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; PRIOR FILING DATE: 1997-08-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-986-501-56

Alignment Scores:
Pred. No.:      268      Length:      711
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:             8        Gaps:        0

US-10-030-937-9 (1-193) x US-10-986-501-56 (1-711)

Qy      69 ValGlySerThrSerValProLeu 76
      |||||||
Db      361 GTGGGGTCCACCTCTGTCCCTCTG 384

RESULT 36
US-10-750-185-30052/c
; Sequence 30052, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
```

```
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 30052
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Bovine 19866880773751
US-10-750-185-30052

Alignment Scores:
Pred. No.: 270 Length: 717
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-185-30052 (1-717)

Qy 174 LeuSerSerSerGlyLysArgLeu 181
Db 472 TTAAGCAGCTCTGGGAAAAGGCTT 449

RESULT 37
US-10-750-623-30052/c
; Sequence 30052, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 30052
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Bovine 19866880773751
US-10-750-623-30052

Alignment Scores:
Pred. No.: 270 Length: 717
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-623-30052 (1-717)

Qy 174 LeuSerSerSerGlyLysArgLeu 181
Db 472 TTAAGCAGCTCTGGGAAAAGGCTT 449

RESULT 38
US-09-925-065A-87117/c
; Sequence 87117, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87117
; LENGTH: 731
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87118

Alignment Scores:
Pred. No.: 276 Length: 731
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87118 (1-731)

Qy 75 ProLeuSerSerProLeuLysVal 82
Db 347 CCTCTTTCTTCTCTCCCTTAAGGTT 324
```

```
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87117
; LENGTH: 731
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87117

Alignment Scores:
Pred. No.: 276 Length: 731
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87117 (1-731)

Qy 75 ProLeuSerSerProLeuLysVal 82
Db 347 CCTCTTTCTTCTCTCCCTTAAGGTT 324

RESULT 39
US-09-925-065A-87118/c
; Sequence 87118, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87118
; LENGTH: 731
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87118

Alignment Scores:
Pred. No.: 276 Length: 731
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87118 (1-731)

Qy 75 ProLeuSerSerProLeuLysVal 82
Db 347 CCTCTTTCTTCTCTCCCTTAAGGTT 324
```

RESULT 40  
US-09-925-065A-87119/c  
; Sequence 87119, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 87119  
; LENGTH: 731  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-87119

Alignment Scores:  
Pred. No.: 276 Length: 731  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87119 (1-731)

QY 75 ProLeuSerSerProLeuLysVal 82  
Db 347 CCTCTTCTTCTCTCCCTTAAGTT 324

RESULT 41  
US-11-128-061-58  
; Sequence 58, Application US/11128061  
; Publication No. US20060003958A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS  
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION  
; FILE REFERENCE: 01997.027701  
; CURRENT APPLICATION NUMBER: US/11/128,061  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 58  
; LENGTH: 761  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
US-11-128-061-58  
Alignment Scores:

Pred. No.: 288 Length: 761  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 12 Gaps: 0  
US-10-030-937-9 (1-193) x US-11-128-061-58 (1-761)  
QY 16 LeuLeuAlaThrProAlaGlnAla 23  
Db 5 CTTTGGCCACCCAGCCCAAGCT 28  
RESULT 42  
US-11-128-049-58  
; Sequence 58, Application US/11128049  
; Publication No. US20060010513A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR  
; TITLE OF INVENTION: MAKING AND USING SAME  
; FILE REFERENCE: 01997.027700  
; CURRENT APPLICATION NUMBER: US/11/128,049  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 58  
; LENGTH: 761  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
US-11-128-049-58  
Alignment Scores:  
Pred. No.: 288 Length: 761  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 12 Gaps: 0  
US-10-030-937-9 (1-193) x US-11-128-049-58 (1-761)  
QY 16 LeuLeuAlaThrProAlaGlnAla 23  
Db 5 CTTTGGCCACCCAGCCCAAGCT 28  
RESULT 43  
US-09-925-065A-4076  
; Sequence 4076, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766

```
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4076
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-4076

Alignment Scores:
Pred. No.:      397      Length: 1035
Score:          8.00    Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels: 0
DB:             6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-4076 (1-1035)

QY      170 IleGluservValleuserSerSer 177
      |||||
Db      675 ATTGAATCTGTACTTCTTCCAGT 698

RESULT 44
US-09-925-065A-4077
; Sequence 4077, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4077
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-4077

Alignment Scores:
Pred. No.:      397      Length: 1035
Score:          8.00    Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels: 0
DB:             6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-4077 (1-1035)

QY      170 IleGluservValleuserSerSer 177
      |||||
Db      675 ATTGAATCTGTACTTCTTCCAGT 698

RESULT 45
US-09-925-065A-4078
; Sequence 4078, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4078
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-4078

Alignment Scores:
Pred. No.:      397      Length: 1035
Score:          8.00    Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels: 0
DB:             6      Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-4078 (1-1035)

QY      170 IleGluservValleuserSerSer 177
      |||||
Db      675 ATTGAATCTGTACTTCTTCCAGT 698

RESULT 46
US-09-925-065A-4079
; Sequence 4079, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4079
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-4079

Alignment Scores:
Pred. No.:      397      Length: 1035
Score:          8.00    Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%   Indels: 0
```

```
DB:                               6           Gaps: 0
US-10-030-937-9 (1-193) x US-09-925-065A-4079 (1-1035)
Qy 170 IleGluservValleuSerSer 177
Db 675 ATTGAATCTGTACTTTCTTCCAGT 698

RESULT 47
US-09-925-065A-87106
; Sequence 87106, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87106
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87106

Alignment Scores:
Pred. No.: 397          Length: 1035
Score: 8.00           Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6                 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87106 (1-1035)
Qy 170 IleGluservValleuSerSer 177
Db 675 ATTGAATCTGTACTTTCTTCCAGT 698

RESULT 48
US-09-925-065A-87107
; Sequence 87107, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 87107
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-87107

Alignment Scores:
Pred. No.: 397          Length: 1035
Score: 8.00           Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 6                 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-87107 (1-1035)
Qy 170 IleGluservValleuSerSer 177
Db 675 ATTGAATCTGTACTTTCTTCCAGT 698

RESULT 49
US-10-750-185-25958/c
; Sequence 25958, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25958
; LENGTH: 1216
; TYPE: DNA
; ORGANISM: Bovine 19866880765757
US-10-750-185-25958

Alignment Scores:
Pred. No.: 470          Length: 1216
Score: 8.00           Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1%      Indels: 0
DB: 8                 Gaps: 0

US-10-030-937-9 (1-193) x US-10-750-185-25958 (1-1216)
Qy 73 SerValProLeuSerSerProLeu 80
Db 445 TCTGTCCCTCTCTCTCCACTC 422

RESULT 50
US-10-750-623-25958/c
; Sequence 25958, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
```



```
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 25958
; LENGTH: 1216
; TYPE: DNA
; ORGANISM: Bovine 19866880765757
US-10-750-623-25958

Alignment Scores:
Pred. No.:          470          Length:      1216
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:      0
DB:                 8            Gaps:         0

US-10-030-937-9 (1-193) x US-10-750-623-25958 (1-1216)

Qy      73 SerValProLeuSerSerProLeu 80
Db      445 TCTGTTCCCTCTCTCCTCTCCACTC 422

RESULT 51
US-09-925-065A-70037
; Sequence 70037, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 70037
; LENGTH: 1243
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-70037

Alignment Scores:
Pred. No.:          480          Length:      1243
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:      0
DB:                 6            Gaps:         0

US-10-030-937-9 (1-193) x US-09-925-065A-70037 (1-1243)

Qy      85 ValLeuGluLySGluValAlaGly 92
Db      845 GTGCTAGAGAAAGAGTGGCTGGA 868

RESULT 52
US-10-750-185-53107
```

```
; Sequence 53107, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 53107
; LENGTH: 1268
; TYPE: DNA
; ORGANISM: Bovine 19866881179510
US-10-750-185-53107

Alignment Scores:
Pred. No.:          490          Length:      1268
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:      0
DB:                 8            Gaps:         0

US-10-030-937-9 (1-193) x US-10-750-185-53107 (1-1268)

Qy      49 ArgSerLeuThrLeuGluProAsp 56
Db      1007 AGAAGTTTGACTTTGGAGCCAGAC 1030

RESULT 53
US-10-750-623-53107
; Sequence 53107, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 53107
; LENGTH: 1268
; TYPE: DNA
; ORGANISM: Bovine 19866881179510
US-10-750-623-53107

Alignment Scores:
Pred. No.:          490          Length:      1268
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:      0
DB:                 8            Gaps:         0

US-10-030-937-9 (1-193) x US-10-750-623-53107 (1-1268)
```



FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 674609  
; LENGTH: 2408  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-674609

Alignment Scores:  
Pred. No.: 958 Length: 2408  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-9 (1-193) x US-09-925-065A-674609 (1-2408)

Qy 16 LeuLeuAlaThrProAlaGlnAla 23  
Db 1255 TTGCTGGCGACTCCAGCCCGGCC 1232

RESULT 58

US-11-075-047A-112/c  
; Sequence 112, Application US/11075047A  
; Publication No. US20060030000A1  
; GENERAL INFORMATION:

; APPLICANT: ALITALO, et al.  
; TITLE OF INVENTION: GROWTH FACTOR BINDING CONSTRUCTS MATERIALS AND METHODS  
; FILE REFERENCE: 28967/39700A  
; CURRENT APPLICATION NUMBER: US/11/075,047A  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: US 60/550,907  
; PRIOR FILING DATE: 2004-03-07  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 112  
; LENGTH: 2772  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2772)  
US-11-075-047A-112

Alignment Scores:  
Pred. No.: 1.11e+03 Length: 2772  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-11-075-047A-112 (1-2772)

Qy 153 AlaValProAspLeuGluLeuPro 160  
Db 1560 GCTGTACCCGATCTTGAATTCCT 1537

RESULT 59

US-11-245-147-187  
; Sequence 187, Application US/11245147  
; Publication No. US20060030541A1  
; GENERAL INFORMATION:  
; APPLICANT: GARCIA, TERESA  
; APPLICANT: ROMAN ROMAN, SERGIO  
; APPLICANT: BARON, ROLAND  
; APPLICANT: CALL, KATHERINE  
; APPLICANT: THEILHABER, JOACHIM  
; APPLICANT: CONNOLLY, TIMOTHY  
; APPLICANT: JACKSON, AMANDA  
; APPLICANT: BUSHNELL, STEVEN  
; APPLICANT: RAWADI, GEORGES  
; TITLE OF INVENTION: GENES INVOLVED IN OSTEOGENESIS, AND METHODS OF USE  
; FILE REFERENCE: 37991-0023  
; CURRENT APPLICATION NUMBER: US/11/245,147  
; CURRENT FILING DATE: 2005-10-07  
; PRIOR APPLICATION NUMBER: PCT/IB02/02211  
; PRIOR FILING DATE: 2002-04-05  
; PRIOR APPLICATION NUMBER: 60/281,400  
; PRIOR FILING DATE: 2001-04-05  
; NUMBER OF SEQ ID NOS: 246  
; SOFTWARE: PatentIn Ver. 3.2  
; SEQ ID NO 187  
; LENGTH: 2899  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Homo sapiens TGFB inducible early growth response  
; OTHER INFORMATION: (TIEG), mRNA  
US-11-245-147-187

Alignment Scores:  
Pred. No.: 1.16e+03 Length: 2899  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-9 (1-193) x US-11-245-147-187 (1-2899)

Qy 71 SerThrSerValProLeuSerSer 78  
Db 128 TCAACTCGGTGCCTCTCTCCAGC 151

RESULT 60

US-10-821-234-328  
; Sequence 328, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_SEQ\_genes Version 1.0  
; SEQ ID NO 328  
; LENGTH: 3120  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-821-234-328

Alignment Scores:  
Pred. No.: 1.26e+03 Length: 3120  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-821-234-328 (1-3120)

QY 86 LeuGluLysGluValAlaGlyLeu 93  
|||||  
Db 891 CTGAAAGGAAGTGGCGGGTTG 914

RESULT 61

US-11-136-527-2356  
; Sequence 2356, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 2356  
; LENGTH: 3260  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus

US-11-136-527-2356

Alignment Scores:  
Pred. No.: 1.31e+03 Length: 3260  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-2356 (1-3260)

QY 26 LysLysProSerGlnLeuSerSer 33  
|||||  
Db 1082 AAGAAACCATCACAGCTCTCTTCA 1105

RESULT 62

US-11-127-832-12  
; Sequence 12, Application US/11127832  
; Publication No. US20060008884A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/11/127,832  
; CURRENT FILING DATE: 2005-05-12  
; PRIOR APPLICATION NUMBER: US/09/782,378  
; PRIOR FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 12  
; LENGTH: 36741  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-11-127-832-12

Alignment Scores:  
Pred. No.: 1.65e+04 Length: 36741  
Score: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-127-832-12 (1-36741)

QY 10 LeuIleAlaLeuGlyLeuLeu 17  
|||||  
Db 13133 CTCATAGCACTTGGTCTGCTTCTT 13156

RESULT 63

US-11-112-908-36  
; Sequence 36, Application US/11112908  
; Publication No. US20050260659A1  
; GENERAL INFORMATION:  
; APPLICANT: Harris, Cole  
; APPLICANT: Davis, Lisa M.  
; TITLE OF INVENTION: Breast Cancer Biomarkers  
; FILE REFERENCE: 04-164-US  
; CURRENT APPLICATION NUMBER: US/11/112,908  
; CURRENT FILING DATE: 2005-04-22  
; PRIOR APPLICATION NUMBER: US 60/564,758  
; PRIOR FILING DATE: 2004-04-23  
; PRIOR APPLICATION NUMBER: US 60/575,978  
; PRIOR FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: US 60/631,702  
; PRIOR FILING DATE: 2004-11-30  
; PRIOR APPLICATION NUMBER: US 60/633,826  
; PRIOR FILING DATE: 2004-12-07  
; NUMBER OF SEQ ID NOS: 511  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 36  
; LENGTH: 98345  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (49350)..(49350)  
; OTHER INFORMATION: n is a, c, g, or t

US-11-112-908-36

Alignment Scores:  
Pred. No.: 4.61e+04 Length: 98345  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-112-908-36 (1-98345)

QY 108 PheGluHisPheCysAspValLeu 115  
|||||  
Db 18350 TTTGAACACTTTTGTGACGTTTTG 18373

RESULT 64

US-10-310-914A-678003/c  
; Sequence 678003, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; TITLE OF INVENTION: uses thereof  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 678003  
; LENGTH: 23  
; TYPE: RNA

```
; ORGANISM: Human
US-10-310-914A-678003

Alignment Scores:
Pred. No.:      88.7      Length:      23
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:            8         Gaps:      0

US-10-030-937-9 (1-193) x US-10-310-914A-678003 (1-23)

Qy      15 LeuLeuLeuAlaThrProAla 21
      |||||
Db      22 CTTCTTCTGGCCACCCCTGCT 2

RESULT 65
US-10-310-914A-813490/c
; Sequence 813490, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 813490
; LENGTH: 24
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-813490

Alignment Scores:
Pred. No.:      92.8      Length:      24
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:            8         Gaps:      0

US-10-030-937-9 (1-193) x US-10-310-914A-813490 (1-24)

Qy      13 LeuGlyLeuLeuAlaThr 19
      |||||
Db      22 CTGGGCTGCTGCTTGCCACC 2

RESULT 66
US-11-121-849-591268
; Sequence 591268, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 591268
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-591268

Alignment Scores:
```

```
; ORGANISM: Human
US-10-030-937-9 (1-193) x US-11-121-849-591268 (1-25)

Qy      170 IleGluSerValLeuSerSer 176
      |||||
Db      3 ATTGAATCTGTGTTAAGCTCT 23

RESULT 67
US-11-136-527-144375
; Sequence 144375, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 144375
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-144375

Alignment Scores:
Pred. No.:      96.8      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:            12         Gaps:      0

US-10-030-937-9 (1-193) x US-11-136-527-144375 (1-25)

Qy      171 GluSerValLeuSerSer 177
      |||||
Db      1 GAGTCAGTCCTGCTTCCAGT 21

RESULT 68
US-11-136-527-144394
; Sequence 144394, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 144394
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-144394
```

Alignment Scores:  
Pred. No.: 96.8 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-144394 (1-25)

QY 171 GluSerValLeuSerSerSer 177  
Db 2 GAGTCAGTCCTGTCTTCCAGT 22

RESULT 69

US-11-136-527-218553/c  
; Sequence 218553, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 218553  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-218553

Alignment Scores:  
Pred. No.: 96.8 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-218553 (1-25)

QY 32 SerSerPheSerTrpAspAsn 38  
Db 25 TCCAGTTCTCTCTGGGACAAT 5

RESULT 70

US-11-136-527-218586/c  
; Sequence 218586, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 218586  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-218586

Alignment Scores:  
Pred. No.: 96.8 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-218586 (1-25)

QY 32 SerSerPheSerTrpAspAsn 38  
Db 21 TCCAGTTCTCTCTGGGACAAT 1

RESULT 71

US-11-136-527-349660  
; Sequence 349660, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 349660  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-349660

Alignment Scores:  
Pred. No.: 96.8 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-136-527-349660 (1-25)

QY 171 GluSerValLeuSerSerSer 177  
Db 3 GAGTCAGTCCTGTCTTCCAGT 23

RESULT 72

US-11-136-527-349669  
; Sequence 349669, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 349669  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-349669

US-11-136-527-349669

Alignment Scores:  
Pred. No.: 96.8 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 100.0% Indels: 0  
DB: 3.6% Gaps: 0  
12

US-10-030-937-9 (1-193) x US-11-136-527-349669 (1-25)

QY 171 GluSerValLeuSerSer 177  
|||||  
Db 1 GAGTCAGTCTGTCTTCCAGT 21

RESULT 73

US-11-175-859-98025/c  
; Sequence 98025, Application US/11175859  
; Publication No. US20060024715A1  
; GENERAL INFORMATION:  
; APPLICANT: Affymetrix, Inc.  
; APPLICANT: Liu, Guoying et al.  
; TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
; FILE REFERENCE: 3690.1  
; CURRENT APPLICATION NUMBER: US/11/175,859  
; CURRENT FILING DATE: 2005-07-05  
; PRIOR APPLICATION NUMBER: US 60/585,352  
; PRIOR FILING DATE: 2004-07-02  
; NUMBER OF SEQ ID NOS: 116251  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 98025  
; LENGTH: 50  
; TYPE: DNA  
; ORGANISM: homo sapien

US-11-175-859-98025

Alignment Scores:  
Pred. No.: 200 Length: 50  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 100.0% Indels: 0  
DB: 3.6% Gaps: 0  
12

US-10-030-937-9 (1-193) x US-11-175-859-98025 (1-50)

QY 86 LeuGluLysGluValAlaGly 92  
|||||  
Db 47 TTGGAGAAAGAGGTGGCAGGT 27

RESULT 74

US-10-310-914A-18536  
; Sequence 18536, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 18536  
; LENGTH: 89  
; TYPE: RNA  
; ORGANISM: Human

US-10-310-914A-18536

Alignment Scores:  
Pred. No.: 364 Length: 89

Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 100.0% Indels: 0  
DB: 3.6% Gaps: 0  
8

US-10-030-937-9 (1-193) x US-10-310-914A-18536 (1-89)

QY 73 SerValProLeuSerSerPro 79  
|||||  
Db 38 UCAGUCCACUGUCCUACCU 58

RESULT 75

US-11-098-686-145/c  
; Sequence 145, Application US/11098686  
; Publication No. US20060024696A1  
; GENERAL INFORMATION:  
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
; FILE REFERENCE: 09531-128001  
; CURRENT APPLICATION NUMBER: US/11/098,686  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31318  
; PRIOR FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: US 60/416,395  
; PRIOR FILING DATE: 2002-10-04  
; NUMBER OF SEQ ID NOS: 11433  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 145  
; LENGTH: 200  
; TYPE: DNA  
; ORGANISM: Lawsonia intracellularis

US-11-098-686-145

Alignment Scores:  
Pred. No.: 849 Length: 200  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 100.0% Indels: 0  
DB: 3.6% Gaps: 0  
12

US-10-030-937-9 (1-193) x US-11-098-686-145 (1-200)

QY 105 SerCysThrPheGluHisPhe 111  
|||||  
Db 191 TCATGTACCTTTGAACATTT 171

RESULT 76

US-11-098-686-1602  
; Sequence 1602, Application US/11098686  
; Publication No. US20060024696A1  
; GENERAL INFORMATION:  
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
; FILE REFERENCE: 09531-128001  
; CURRENT APPLICATION NUMBER: US/11/098,686  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31318  
; PRIOR FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: US 60/416,395  
; PRIOR FILING DATE: 2002-10-04  
; NUMBER OF SEQ ID NOS: 11433  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1602  
; LENGTH: 200  
; TYPE: DNA  
; ORGANISM: Lawsonia intracellularis

US-11-098-686-1602

Alignment Scores:  
Pred. No.: 364 Length: 89



Pred. No.: 849 Length: 200  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-1602 (1-200)

QY 26 LysLysProSerGlnLeuSer 32  
|||||  
Db 60 AAAAGCCTTCACAGCTATCA 80  
|||||

RESULT 77  
US-11-098-686-2531/c  
; Sequence 2531, Application US/11098686  
; Publication No. US20060024696A1  
; GENERAL INFORMATION:  
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING  
; FILE REFERENCE: 09531-128001  
; CURRENT APPLICATION NUMBER: US/11/098,686  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31318  
; PRIOR FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: US 60/416,395  
; PRIOR FILING DATE: 2002-10-04  
; NUMBER OF SEQ ID NOS: 11433  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2531  
; LENGTH: 200  
; TYPE: DNA  
; ORGANISM: Lawsonia intracellularis

US-11-098-686-2531

Alignment Scores:  
Pred. No.: 849 Length: 200  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-2531 (1-200)

QY 66 LeuSerValGlySerThr 72  
|||||  
Db 149 TTGTCGTGGTAGGTCGACT 129  
|||||

RESULT 78  
US-11-098-686-5868/c  
; Sequence 5868, Application US/11098686  
; Publication No. US20060024696A1  
; GENERAL INFORMATION:  
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.  
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES  
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING  
; FILE REFERENCE: 09531-128001  
; CURRENT APPLICATION NUMBER: US/11/098,686  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31318  
; PRIOR FILING DATE: 2003-10-01  
; PRIOR APPLICATION NUMBER: US 60/416,395  
; PRIOR FILING DATE: 2002-10-04  
; NUMBER OF SEQ ID NOS: 11433  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5868  
; LENGTH: 200  
; TYPE: DNA  
; ORGANISM: Lawsonia intracellularis

US-11-098-686-5868

Alignment Scores:  
Pred. No.: 849 Length: 200  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-098-686-5868 (1-200)

QY 26 LysLysProSerGlnLeuSer 32  
|||||  
Db 109 AAAAACCTAGTCAACTTCT 89  
|||||

RESULT 79  
US-10-995-561-32467  
; Sequence 32467, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 32467  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-10-995-561-32467

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-995-561-32467 (1-201)

QY 49 ArgSerLeuThrLeuGluPro 55  
|||||  
Db 6 AGGTCCCTAACACTGGAGCCA 26  
|||||

RESULT 80  
US-10-995-561-32909/c  
; Sequence 32909, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 32909  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-10-995-561-32909

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0

Query Match: 3.6% Indels: 0  
DB: 8 Gaps: 0  
US-10-030-937-9 (1-193) x US-10-995-561-32909 (1-201)

Qy 174 LeuSerSerGlyLysArg 180  
Db 26 CTATCATCGAGTGGAAAGAGA 6

## RESULT 81

US-10-995-561-33051  
; Sequence 33051, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 33051  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-33051

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-995-561-33051 (1-201)

Qy 30 GlnLeuSerSerPheSerTrp 36

Db 33 CAACGTGCTCGTTTCTCTGG 53

## RESULT 82

US-10-995-561-39313/c  
; Sequence 39313, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 39313  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-39313

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-995-561-39313 (1-201)

Qy 9 LeuLeuIleAlaLeuGlyLeu 15  
Db 180 CTGCTGATTGCCTTGGGACTG 160

## RESULT 83

US-10-995-561-39598/c  
; Sequence 39598, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 39598  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-39598

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-995-561-39598 (1-201)

Qy 9 LeuLeuIleAlaLeuGlyLeu 15

Db 85 CTGCTGATTGCCTTGGGACTG 65

## RESULT 84

US-10-995-561-41472/c  
; Sequence 41472, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 41472  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-41472

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-9 (1-193) x US-10-995-561-41472 (1-201)

Qy 7 AlaProLeuLeuIleAlaLeu 13

Db 132 GCCCCCTCTTGATAGCGTGG 112

## RESULT 85

```
US-10-995-561-44668/c
; Sequence 44668, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 44668
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-44668
Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      0      Indels:      0
DB:               8      Gaps:        0

US-10-030-937-9 (1-193) x US-10-995-561-44668 (1-201)

Qy      7 AlaProLeuLeuIleAlaLeu 13
      |||||||
Db      54 GCCCCCTCTTGATAGCGTTG 34

RESULT 86
US-11-124-368A-18774/c
; Sequence 18774, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18774
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-18774
Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      0      Indels:      0
DB:               8      Gaps:        0

US-10-030-937-9 (1-193) x US-11-124-368A-18774 (1-201)

Qy      176 SerSerGlyLysArgLeuGly 182
      |||||||
Db      55 AGCAGCGGTAAGAGGCTGGG 35

RESULT 87
```

```
US-11-124-368A-19022/c
; Sequence 19022, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19022
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-19022
Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      0      Indels:      0
DB:               12     Gaps:        0

US-10-030-937-9 (1-193) x US-11-124-368A-19022 (1-201)

Qy      176 SerSerGlyLysArgLeuGly 182
      |||||||
Db      143 AGCAGCGGTAAGAGGCTGGG 123

RESULT 88
US-11-124-368A-19023/c
; Sequence 19023, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19023
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-19023
Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      0      Indels:      0
DB:               12     Gaps:        0

US-10-030-937-9 (1-193) x US-11-124-368A-19023 (1-201)
```

QY 176 SerSerGlyLysArgLeuGly 182  
| | | | | | | | | | | | | | | | | | | | | |  
Db 139 AGCAGCGGTAAGAGGCTGGG 119

RESULT 89  
US-11-124-367A-13095/c  
; Sequence 13095, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13095  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-13095

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-13095 (1-201)  
QY 29 SerGlnLeuSerPheSer 35  
| | | | | | | | | | | | | | | | | | | | | |  
Db 128 TCACAACTAAGCTCTTTTCT 108

RESULT 90  
US-11-124-367A-16110  
; Sequence 16110, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16110  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-16110

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7

Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-16110 (1-201)  
QY 16 LeuLeuAlaThrProAlaGln 22  
| | | | | | | | | | | | | | | | | | | | | |  
Db 12 CTGCTGGCCACACCTGGCAG 32

RESULT 91  
US-11-124-367A-18373  
; Sequence 18373, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18373  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-18373

Alignment Scores:  
Pred. No.: 853 Length: 201  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 12 Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-18373 (1-201)  
QY 171 GluSerValLeuSerSerSer 177  
| | | | | | | | | | | | | | | | | | | | | |  
Db 124 GAAATCGGTGCTGTCCAGCAGC 144

RESULT 92  
US-11-124-367A-21720/c  
; Sequence 21720, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 21720  
; LENGTH: 201

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21720

Alignment Scores:
Pred. No.:      853      Length: 201
Score:          7.00     Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6% Indels: 0
DB:             12      Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21720 (1-201)
Qy      73 SerValProLeuSerSerPro 79
Db      66 TCCGTTCCCTCAGCTCTCCG 46

RESULT 93
US-11-124-367A-21721/c
; Sequence 21721, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21721
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21721

Alignment Scores:
Pred. No.:      853      Length: 201
Score:          7.00     Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6% Indels: 0
DB:             12      Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21721 (1-201)
Qy      73 SerValProLeuSerSerPro 79
Db      99 TCCGTTCCCTCAGCTCTCCG 79

RESULT 94
US-11-124-367A-21722/c
; Sequence 21722, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
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```
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21722
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21722

Alignment Scores:
Pred. No.:      853      Length: 201
Score:          7.00     Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6% Indels: 0
DB:             12      Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21722 (1-201)
Qy      73 SerValProLeuSerSerPro 79
Db      141 TCCGTTCCCTCAGCTCTCCG 121

RESULT 95
US-11-124-367A-21723/c
; Sequence 21723, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21723
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21723

Alignment Scores:
Pred. No.:      853      Length: 201
Score:          7.00     Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6% Indels: 0
DB:             12      Gaps: 0

US-10-030-937-9 (1-193) x US-11-124-367A-21723 (1-201)
Qy      73 SerValProLeuSerSerPro 79
Db      143 TCCGTTCCCTCAGCTCTCCG 123

RESULT 96
US-11-124-367A-21724/c
; Sequence 21724, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
```

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; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21724
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21724

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      3.6%   Indels:      0
DB:               12     Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-367A-21724 (1-201)

Qy      73 SerValProLeuSerSerPro 79
      |||||
Db      156 TCCGTTCCCTCAGCTCTCCG 136

RESULT 97
US-11-124-367A-21725/c
; Sequence 21725, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21725
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21725

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      3.6%   Indels:      0
DB:               12     Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-367A-21725 (1-201)

Qy      73 SerValProLeuSerSerPro 79
      |||||
Db      157 TCCGTTCCCTCAGCTCTCCG 137

RESULT 98
```

```

US-11-124-367A-21726/c
; Sequence 21726, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21726
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-21726

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      3.6%   Indels:      0
DB:               12     Gaps:       0

US-10-030-937-9 (1-193) x US-11-124-367A-21726 (1-201)

Qy      73 SerValProLeuSerSerPro 79
      |||||
Db      195 TCCGTTCCCTCAGCTCTCCG 175

RESULT 99
US-11-124-367A-28433/c
; Sequence 28433, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28433
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-28433

Alignment Scores:
Pred. No.:      853      Length:      201
Score:          7.00     Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      3.6%   Indels:      0
DB:               12     Gaps:       0
```

```
US-10-030-937-9 (1-193) x US-11-124-367A-28433 (1-201)

Qy      7 AlaProLeuIleAlaLeu 13
      |||||
Db      132 GCCCCCTCTTGATAGCGTTG 112

RESULT 100
US-11-124-367A-30645/c
; Sequence 30645, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30645
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-30645

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Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      3.6%      Indels:      0
DB:              12        Gaps:      0

US-10-030-937-9 (1-193) x US-11-124-367A-30645 (1-201)

Qy      7 AlaProLeuIleAlaLeu 13
      |||||
Db      54 GCCCCCTCTTGATAGCGTTG 34

Search completed: February 16, 2006, 14:05:26
Job time : 483 secs
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GenCore version 5.1.7  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 13:35:10 ; Search time 207 Seconds

(without alignments)  
1657.340 Million cell updates/sec

Title: US-10-030-937-9

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Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
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Searched: 1303057 seqs, 888780828 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2599977

Minimum DB seq length: 0

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Post-processing: Listing first 150 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=oligo -TRANS=human40.cdi  
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-YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:\*

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9: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

SUMMARIES

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4	9	4.7	787	3	US-09-536-784-97	Sequence 97, Appl
5	9	4.7	787	3	US-09-765-271-97	Sequence 97, Appl
6	9	4.7	787	3	US-09-765-272A-97	Sequence 97, Appl
7	9	4.7	811	3	US-08-961-083-205	Sequence 205, App
8	9	4.7	811	3	US-09-536-784-205	Sequence 205, App
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11	9	4.7	876	3	US-09-583-110-1540	Sequence 1540, App	
12	9	4.7	987	3	US-09-107-433-715	Sequence 715, App	
13	9	4.7	12127	3	US-08-961-527-148	Sequence 148, App	
14	9	4.7	48794	3	US-09-949-016-15637	Sequence 15637, A	
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c	96	7	3.6	27	3	US-08-584-040-3423	Sequence 3423, Ap
c	97	7	3.6	27	3	US-08-584-040-6526	Sequence 6526, Ap
c	98	7	3.6	27	3	US-08-584-040-6640	Sequence 6640, Ap
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	103	7	3.6	168	3	US-09-270-767-2637	Sequence 2637, Ap
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	106	7	3.6	219	3	US-09-248-796A-9276	Sequence 9276, Ap
	107	7	3.6	219	3	US-09-513-999C-1652	Sequence 1652, Ap
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	117	7	3.6	266	3	US-09-834-759-405	Sequence 405, App
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	141	7	3.6	443	3	US-09-270-767-16998	Sequence 16998, A
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	143	7	3.6	462	3	US-09-199-637A-212	Sequence 212, App
	144	7	3.6	474	3	US-09-248-796A-888	Sequence 888, App
	145	7	3.6	475	3	US-09-583-447A-35	Sequence 35, Appl
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	147	7	3.6	477	3	US-10-719-885-46	Sequence 46, Appl
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	149	7	3.6	498	3	US-09-502-540-3506	Sequence 3506, Ap
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ALIGNMENTS

US-09-902-540-4802		US-10-030-937-9 (1-193) x US-09-902-540-4802 (1-1089)	
; Sequence 4802, Application US/09902540			
; Patent No. 6833447			
; GENERAL INFORMATION:			
; APPLICANT: Goldman, Barry S.			
; APPLICANT: Hinkle, Gregory J.			
; APPLICANT: Slater, Steven C.			
; APPLICANT: Wiegand, Roger C.			
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof			
; FILE REFERENCE: 38-10(15849)B			
; CURRENT APPLICATION NUMBER: US/09/902,540			
; CURRENT FILING DATE: 2001-07-10			
; PRIOR APPLICATION NUMBER: 60/217,883			
; PRIOR FILING DATE: 2000-07-10			
; NUMBER OF SEQ ID NOS: 16825			
; SEQ ID NO 4802			
; LENGTH: 1089			
; TYPE: DNA			
; ORGANISM: Myxococcus xanthus			
US-09-902-540-4802			
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DB:	3	Gaps:	0
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; Sequence 1236, Application US/09902540			
; Patent No. 6833447			
; GENERAL INFORMATION:			
; APPLICANT: Goldman, Barry S.			
; APPLICANT: Hinkle, Gregory J.			
; APPLICANT: Slater, Steven C.			
; APPLICANT: Wiegand, Roger C.			
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof			
; FILE REFERENCE: 38-10(15849)B			
; CURRENT APPLICATION NUMBER: US/09/902,540			
; CURRENT FILING DATE: 2001-07-10			
; PRIOR APPLICATION NUMBER: 60/217,883			
; PRIOR FILING DATE: 2000-07-10			
; NUMBER OF SEQ ID NOS: 16825			
; SEQ ID NO 1236			
; LENGTH: 29103			
; TYPE: DNA			
; ORGANISM: Myxococcus xanthus			
; FEATURE:			
; NAME/KEY: unsure			
; LOCATION: (1)..(29103)			
; OTHER INFORMATION: unsure at all n locations			
US-09-902-540-1236			
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Pred. No.:	26.8	Length:	29103
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RESULT 3

US-08-961-083-97

; Sequence 97, Application US/08961083

; Patent No. 6159469

; GENERAL INFORMATION:

; APPLICANT: Choi et. al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; NUMBER OF SEQUENCES: 452

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/961,083

; FILING DATE: 30-Oct-1997

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/961,083

; FILING DATE: OCT-30-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Michelle S. Marks

; REGISTRATION NUMBER: 41,971

; REFERENCE/DOCKET NUMBER: PB340P2

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 97:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 787 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 97:

US-08-961-083-97

Alignment Scores:

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Best Local Similarity:	100.0%	Mismatches:	0
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US-10-030-937-9 (1-193) x US-08-961-083-97 (1-787)

Qy 66 LeuSerValGlySerThrServal 74

Db 464 TTGTCGTGTAGGTTCCACTTCAGTA 490

RESULT 4

US-536-784-97

; Sequence 97, Application US/09536784

; Patent No. 6573082

; GENERAL INFORMATION:

; APPLICANT: Choi et. al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; NUMBER OF SEQUENCES: 452

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/536,784

; FILING DATE: 22-Jan-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/536,784

; FILING DATE: <Unknown>

; APPLICATION NUMBER: 08/961,083

; FILING DATE: OCT-30-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Michelle S. Marks

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/536,784

; FILING DATE: 30-Oct-1997

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/961,083

; FILING DATE: OCT-30-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Michelle S. Marks

; REGISTRATION NUMBER: 41,971

; REFERENCE/DOCKET NUMBER: PB340P3

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 97:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 787 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 97:

US-09-536-784-97

Alignment Scores:

Pred. No.:	8.51	Length:	787
Score:	9.00	Matches:	9
Percent Similarity:	100.0%	Conservative:	0
Best Local Similarity:	100.0%	Mismatches:	0
Query Match:	4.7%	Indels:	0
DB:	3	Gaps:	0

US-10-030-937-9 (1-193) x US-09-536-784-97 (1-787)

Qy 66 LeuSerValGlySerThrServal 74

Db 464 TTGTCGTGTAGGTTCCACTTCAGTA 490

RESULT 5

US-09-765-271-97

; Sequence 97, Application US/09765271

; Patent No. 6887663

; GENERAL INFORMATION:

; APPLICANT: Choi et. al.

; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

; NUMBER OF SEQUENCES: 452

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/765,271

; FILING DATE: 22-Jan-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/536,784

; FILING DATE: <Unknown>

; APPLICATION NUMBER: 08/961,083

; FILING DATE: OCT-30-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Michelle S. Marks

REGISTRATION NUMBER: 41,971  
REFERENCE/DOCKET NUMBER: PB340P3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 97:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 787 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 97:  
US-09-765-271-97

Alignment Scores:  
Pred. No.: 8.51 Length: 787  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-765-271-97 (1-787)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 464 TTGTCGTGTAGGTTCCACTTCAGTA 490

RESULT 6

US-09-765-272A-97  
; Sequence 97, Application US/09765272A  
; Patent No. 6929930  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 454  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: Dell Latitude C610  
; OPERATING SYSTEM: Windows 2000  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/765,272A  
; FILING DATE: 22-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/961,083  
; FILING DATE: OCT-30-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lin J. Hymel  
; REGISTRATION NUMBER: 45,414  
; REFERENCE/DOCKET NUMBER: PB340P2C2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 610-5790  
; TELEFAX: (301) 309-8439  
; INFORMATION FOR SEQ ID NO: 97:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 787 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 97:  
US-09-765-272A-97  
Alignment Scores:

Pred. No.: 8.51 Length: 787  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-765-272A-97 (1-787)  
Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 464 TTGTCGTGTAGGTTCCACTTCAGTA 490

RESULT 7

US-08-961-083-205  
; Sequence 205, Application US/08961083  
; Patent No. 6159469  
; GENERAL INFORMATION:  
; APPLICANT: Choi et. al.  
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines  
; NUMBER OF SEQUENCES: 452  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: Hp Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/961,083  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brookes, A. Anders  
; REGISTRATION NUMBER: 36,373  
; REFERENCE/DOCKET NUMBER: PB340P2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 205:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 811 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-961-083-205

Alignment Scores:  
Pred. No.: 8.77 Length: 811  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-961-083-205 (1-811)

Qy 66 LeuSerValValGlySerThrSerVal 74  
|||||  
Db 488 TTGTCGTGTAGGTTCCACTTCAGTA 514

RESULT 8

US-09-536-784-205  
; Sequence 205, Application US/09536784  
; Patent No. 6573082



TELEFAX: (301) 309-8439  
; INFORMATION FOR SEQ ID NO: 205:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 811 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 205:  
US-09-765-272A-205

Alignment Scores:  
Pred. No.: 8.77 Length: 811  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-765-272A-205 (1-811)

QY 66 LeuSerValValGlySerThrSerVal 74  
Db 488 TTGTCGTGTAGGTTCCACTTCAGTA 514

RESULT 11  
US-09-583-110-1540  
; Sequence 1540, Application US/09583110  
; Patent No. 6699703  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al.  
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
; FILE REFERENCE: PATH00-07A  
; CURRENT APPLICATION NUMBER: US/09/583,110  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/107,433  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/085,131  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: US 60/051,553  
; PRIOR FILING DATE: 1997-07-02  
; NUMBER OF SEQ ID NOS: 5322  
; SEQ ID NO 1540  
; LENGTH: 876  
; TYPE: DNA  
; ORGANISM: Streptococcus pneumoniae

US-09-583-110-1540

Alignment Scores:  
Pred. No.: 9.45 Length: 876  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-583-110-1540 (1-876)

QY 66 LeuSerValValGlySerThrSerVal 74  
Db 550 TTGTCGTGTAGGTTCCACTTCAGTA 576

RESULT 12  
US-09-107-433-715  
; Sequence 715, Application US/09107433  
; Patent No. 6800744  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID  
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO  
THERAPEUTICS  
; NUMBER OF SEQUENCES: 5206  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: <Unknown>  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: <Unknown>  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,433  
FILING DATE: 30-Jun-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/ 085131  
FILING DATE: May 12, 1998  
APPLICATION NUMBER: 60/051553  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-011  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277  
INFORMATION FOR SEQ ID NO: 715:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 987 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Streptococcus pneumoniae  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1...987  
SEQUENCE DESCRIPTION: SEQ ID NO: 715:  
US-09-107-433-715

Alignment Scores:  
Pred. No.: 10.6 Length: 987  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-107-433-715 (1-987)

QY 66 LeuSerValValGlySerThrSerVal 74  
Db 661 TTGTCGTGTAGGTTCCACTTCAGTA 687

RESULT 13  
US-08-961-527-148  
; Sequence 148, Application US/08961527  
; Patent No. 6420135  
; GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 391  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850  
; COMPUTER READABLE FORM:



;  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/961,527  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brookes, A. Anders  
; REGISTRATION NUMBER: 36,373  
; REFERENCE/DOCKET NUMBER: PB340P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 148:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12127 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
US-08-961-527-148

Alignment Scores:  
Pred. No.: 121 Length: 12127  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-961-527-148 (1-12127)

Qy 66 LeuSerValGlySerThrSerVal 74  
Db 624 TTGTCGTGTAGGTTCCACTTCAGTA 650

RESULT 14

US-09-949-016-15637  
; Sequence 15637, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15637  
; LENGTH: 48794  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(48794)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-15637

Alignment Scores:  
Pred. No.: 465 Length: 48794  
Score: 9.00 Matches: 9  
Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.7% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-15637 (1-48794)

Qy 71 SerThrSerValProLeuSerSerPro 79  
Db 37782 TCCACCTCAGTTCCTTTATCTCTCCT 37808

RESULT 15

US-09-252-991A-546/c  
; Sequence 546, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 546  
; LENGTH: 462  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-546

Alignment Scores:

Pred. No.: 53.4 Length: 462  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-546 (1-462)

Qy 71 SerThrSerValProLeuSerSer 78  
Db 395 TCTACGTCAGTTCGCTTCGTCA 372

RESULT 16

US-09-949-016-39132  
; Sequence 39132, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 39132  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-39132

Alignment Scores:  
Pred. No.: 68.9 Length: 601



Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-39132 (1-601)

QY 86 LeuGluLysGluValAlaGlyLeu 93  
Db 188 CTGGAAGGAGTGGCGGGTTG 211

RESULT 17

US-09-949-016-53584  
; Sequence 53584, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 53584  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-53584

Alignment Scores:  
Pred. No.: 68.9 Length: 601  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-53584 (1-601)

QY 175 SerSerSerGlyLysArgLeuGly 182  
Db 173 TCAAGCAGTGGAAAGAGGCTGGGC 196

RESULT 18

US-09-949-016-61592  
; Sequence 61592, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 61592  
; LENGTH: 601  
; TYPE: DNA

; ORGANISM: Human  
US-09-949-016-61592  
Alignment Scores:  
Pred. No.: 68.9 Length: 601  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-61592 (1-601)

QY 67 SerValValGlySerThrSerVal 74  
Db 475 TCCGTCGTTGGGTCACCAGTG 498

RESULT 19

US-09-949-016-61593  
; Sequence 61593, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 61593  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-61593

Alignment Scores:  
Pred. No.: 68.9 Length: 601  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-61593 (1-601)

QY 67 SerValValGlySerThrSerVal 74  
Db 227 TCCGTCGTTGGGTCACCAGTG 250

RESULT 20

US-09-949-016-61714  
; Sequence 61714, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 61714  
; LENGTH: 601  
; TYPE: DNA

```
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 61714
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-61714

Alignment Scores:
Pred. No.:      68.9      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              3        Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-61714 (1-601)

Qy      67 SerValValGlySerThrSerVal 74
Db      475 TCCGTCGTTGGTCCACCAGTGTG 498

RESULT 21
US-09-949-016-61715
; Sequence 61715, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 61715
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-61715

Alignment Scores:
Pred. No.:      68.9      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              3        Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-61715 (1-601)

Qy      67 SerValValGlySerThrSerVal 74
Db      227 TCCGTCGTTGGTCCACCAGTGTG 250

RESULT 22
US-09-949-016-84688
; Sequence 84688, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 91993
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-91993

Alignment Scores:
Pred. No.:      68.9      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              3        Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-91993 (1-601)

Qy      72 ThrSerValProLeuSerSerPro 79
Db      318 ACTTCAGTCCCACTCTCAAGTCCT 341

RESULT 23
US-09-949-016-91993
; Sequence 91993, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 91993
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-91993

Alignment Scores:
Pred. No.:      68.9      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%      Indels:      0
DB:              3        Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-91993 (1-601)

Qy      72 ThrSerValProLeuSerSerPro 79
Db      318 ACTTCAGTCCCACTCTCAAGTCCT 341

RESULT 24
US-09-949-016-91994
; Sequence 91994, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
```

```
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91994
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-91994

Alignment Scores:
Pred. No.:          68.9      Length:      601
Score:              8.00      Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:    0
Query Match:        4.1%      Indels:       0
DB:                  3        Gaps:         0

US-10-030-937-9 (1-193) x US-09-949-016-91994 (1-601)

Qy      72 ThrSerValProLeuSerSerPro 79
Db      456 ACTTCAGTCCCACTCTCAAGTCCT 479

RESULT 25
US-09-949-016-158399/c
; Sequence 158399, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158399
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-158399

Alignment Scores:
Pred. No.:          68.9      Length:      601
Score:              8.00      Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:    0
Query Match:        4.1%      Indels:       0
DB:                  3        Gaps:         0

US-10-030-937-9 (1-193) x US-09-949-016-158399 (1-601)

Qy      10 LeuIleAlaLeuGlyLeuLeuLeu 17
Db      32 CTCATAGCACTTGGTCTGCTTCTT 9

RESULT 26
US-09-949-016-158400/c
```

```
; Sequence 158400, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158400
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-158400

Alignment Scores:
Pred. No.:          68.9      Length:      601
Score:              8.00      Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:    0
Query Match:        4.1%      Indels:       0
DB:                  3        Gaps:         0

US-10-030-937-9 (1-193) x US-09-949-016-158400 (1-601)

Qy      10 LeuIleAlaLeuGlyLeuLeuLeu 17
Db      226 CTCATAGCACTTGGTCTGCTTCTT 203

RESULT 27
US-09-774-639-24
; Sequence 24, Application US/09774639
; Patent No. 6806351
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: PZ013P1
; CURRENT APPLICATION NUMBER: US/09/774,639
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 371
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-774-639-24

Alignment Scores:
Pred. No.:          81       Length:      711
Score:              8.00      Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:    0
Query Match:        4.1%      Indels:       0
DB:                  3        Gaps:         0

US-10-030-937-9 (1-193) x US-09-774-639-24 (1-711)

Qy      69 ValGlySerThrSerValProLeu 76
Db      361 GTGGGTCCACCTCTGTCCCTCTG 384

RESULT 28
US-09-252-991A-3981/c
```

```
; Sequence 3981, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3981
; LENGTH: 858
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (656)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3981
```

```
Alignment Scores:
Pred. No.: 97.2 Length: 858
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-252-991A-3981 (1-858)

```
Qy 11 IleAlaLeuGlyLeuLeuAla 18
|||||
Db 265 ATGCCCTCGGCTGCTCCTTGCT 242
```

RESULT 29

```
US-09-252-991A-7168
; Sequence 7168, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7168
; LENGTH: 1314
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7168
```

```
Alignment Scores:
Pred. No.: 147 Length: 1314
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-252-991A-7168 (1-1314)

```
Qy 14 GlyLeuLeuAlaThrProAla 21
|||||
Db 89 GGGCTGCTCTGGCCACGCCGCC 112
```

```
RESULT 30
US-09-252-991A-3925
; Sequence 3925, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3925
; LENGTH: 1335
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (93)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3925

Alignment Scores:
Pred. No.: 149 Length: 1335
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-3925 (1-1335)

Qy 11 IleAlaLeuGlyLeuLeuAla 18
|||||
Db 484 ATGCCCTCGGCTGCTCCTTGCT 507

RESULT 31
US-09-711-164-270/c
; Sequence 270, Application US/09711164
; Patent No. 6589738
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Alllyn
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERET
; FILE REFERENCE: ELITRA.008A
; CURRENT APPLICATION NUMBER: US/09/711,164
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: US 60/164415
; PRIOR FILING DATE: 1999-11-9
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 270
; LENGTH: 1395
; TYPE: DNA
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) ... (1395)
US-09-711-164-270

Alignment Scores:
Pred. No.: 156 Length: 1395
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-711-164-270 (1-1395)  
QY 61 ProGlyAsnValThrLeuSerVal 68  
Db 460 CCTGGAATGTAACGCTATCAGTT 437

RESULT 32  
US-09-492-709A-121/c  
; Sequence 121, Application US/09492709A  
; Patent No. 6720139  
; GENERAL INFORMATION:  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Ohlsen, Kari L.  
; APPLICANT: Trawick, John  
; APPLICANT: Forsyth, R. Allyn  
; APPLICANT: Froelich, Jamie M.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN  
; TITLE OF INVENTION: ESCHERICHIA COLI  
; FILE REFERENCE: ELITRA.001A  
; CURRENT APPLICATION NUMBER: US/09/492.709A  
; CURRENT FILING DATE: 2000-01-27  
; NUMBER OF SEQ ID NOS: 485  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 121  
; LENGTH: 1395  
; TYPE: DNA  
; ORGANISM: E. Coli  
US-09-492-709A-121

Alignment Scores:  
Pred. No.: 156 Length: 1395  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-492-709A-121 (1-1395)

QY 61 ProGlyAsnValThrLeuSerVal 68  
Db 460 CCTGGAATGTAACGCTATCAGTT 437

RESULT 33  
US-09-308-406-1/c  
; Sequence 1, Application US/09308406  
; Patent No. 6159696  
; GENERAL INFORMATION:  
; APPLICANT: Dijkema, Rein  
; APPLICANT: van den Wijngaard, Arthur  
; TITLE OF INVENTION: Method and materials for the screening of therapeutic  
; TITLE OF INVENTION: agents for the prevention and/or treatment of  
; TITLE OF INVENTION: osteoporosis  
; FILE REFERENCE: I/96227 US  
; CURRENT APPLICATION NUMBER: US/09/308.406  
; CURRENT FILING DATE: 1999-06-21  
; EARLIER APPLICATION NUMBER: PCT/EP97/06668  
; EARLIER FILING DATE: 1997-11-20  
; EARLIER APPLICATION NUMBER: EP96203283.5  
; EARLIER FILING DATE: 1996-11-22  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 1456  
; TYPE: DNA  
; ORGANISM: human  
US-09-308-406-1  
Alignment Scores:

Pred. No.: 162 Length: 1456  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-308-406-1 (1-1456)

QY 175 SerSerSerGlyLysArgLeuGly 182  
Db 943 TCCAGCTCTGGGAACGGCTGGGG 920

RESULT 34  
US-09-252-991A-570  
; Sequence 570, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 570  
; LENGTH: 1458  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-570

Alignment Scores:  
Pred. No.: 163 Length: 1458  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-252-991A-570 (1-1458)

QY 71 SerThrSerValProLeuSerSer 78  
Db 1364 TCTACGTCAGTTCGCTTCGTCA 1387

RESULT 35  
US-09-252-991A-4050/c  
; Sequence 4050, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 4050  
; LENGTH: 1482  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1065)  
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.

```
US-09-252-991A-4050
Alignment Scores:
Pred. No.:      165      Length:      1482
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:            3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-252-991A-4050 (1-1482)
Qy      11 IleAlaLeuGlyLeuLeuAla 18
      |||||||
Db      674 ATCGCCCTCGGCTGCTCCTTGCT 651

RESULT 36
US-09-252-991A-3897
; Sequence 3897, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3897
; LENGTH: 1605
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (457)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-3897

Alignment Scores:
Pred. No.:      178      Length:      1605
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:            3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-252-991A-3897 (1-1605)
Qy      11 IleAlaLeuGlyLeuLeuAla 18
      |||||||
Db      848 ATCGCCCTCGGCTGCTCCTTGCT 871

RESULT 37
US-09-252-991A-7476/c
; Sequence 7476, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7476
```

```
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7476

Alignment Scores:
Pred. No.:      186      Length:      1677
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:            3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-252-991A-7476 (1-1677)
Qy      14 GlyLeuLeuAlaThrProAla 21
      |||||||
Db      1581 GGGCTGCTCTGGCCACGCCGGCC 1558

RESULT 38
US-09-252-991A-7219
; Sequence 7219, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7219
; LENGTH: 1692
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7219

Alignment Scores:
Pred. No.:      188      Length:      1692
Score:          8.00     Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    4.1%     Indels:      0
DB:            3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-252-991A-7219 (1-1692)
Qy      14 GlyLeuLeuAlaThrProAla 21
      |||||||
Db      178 GGGCTGCTCTGGCCACGCCGGCC 201

RESULT 39
US-09-252-991A-4015/c
; Sequence 4015, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 4015
; LENGTH: 2223
```

```
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (2110)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-4015
```

```
Alignment Scores:
Pred. No.: 245 Length: 2223
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-252-991A-4015 (1-2223)

```
Qy 11 IleAlaLeuGlyLeuLeuAla 18
Db 1719 ATCGCCTCGGCCTGCTCTTGCT 1696
```

```
RESULT 40
US-09-320-878-20
; Sequence 20, Application US/09320878A
; Patent No. 6117659
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120
; CURRENT APPLICATION NUMBER: US/09/320,878A
; CURRENT FILING DATE: 1999-05-27
; EARLIER APPLICATION NUMBER: CIP OF 09/141,908
; EARLIER FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: CIP OF 09/073,538
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: CIP OF 08/846,247
; EARLIER FILING DATE: 1997-04-30
; EARLIER APPLICATION NUMBER: 60/119,139
; EARLIER FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: 60/100,880
; EARLIER FILING DATE: 1998-09-22
; EARLIER APPLICATION NUMBER: 60/087,080
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 2401
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
US-09-320-878-20
```

```
Alignment Scores:
Pred. No.: 264 Length: 2401
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-320-878-20 (1-2401)

```
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 932 GGTCTGCTCCTCGCCACTCCGGCG 955
```

```
RESULT 41
US-09-141-908-9
; Sequence 9, Application US/09141908
```

```
; Patent No. 6503741
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: Combinatorial Polyketide Libraries Produced Using a
; FILE REFERENCE: Modular PKS Gene Cluster as Scaffold
; CURRENT APPLICATION NUMBER: US/09/141,908
; CURRENT FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: CIP OF 09/073,538
; EARLIER FILING DATE: 1998-05-06
; EARLIER APPLICATION NUMBER: CIP OF 08/846,247
; EARLIER FILING DATE: 1997-04-30
; EARLIER APPLICATION NUMBER: PROV. 60/076,919
; EARLIER FILING DATE: 1998-03-05
; EARLIER APPLICATION NUMBER: PROV. 60/087,080
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 2401
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
US-09-141-908-9
```

```
Alignment Scores:
Pred. No.: 264 Length: 2401
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 4.1% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-9 (1-193) x US-09-141-908-9 (1-2401)

```
Qy 14 GlyLeuLeuAlaThrProAla 21
Db 932 GGTCTGCTCCTCGCCACTCCGGCG 955
```

```
RESULT 42
US-09-657-440-20
; Sequence 20, Application US/09657440
; Patent No. 6509455
; GENERAL INFORMATION:
; APPLICANT: ASHLEY, Gary
; APPLICANT: BETLACH, Melanie C.
; APPLICANT: BETLACH, Mary C.
; APPLICANT: MCDANIEL, Robert
; APPLICANT: TANG, Li
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE
; FILE REFERENCE: 300622002120
; CURRENT APPLICATION NUMBER: US/09/657,440
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 09/320,878
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: CIP OF 09/141,908
; PRIOR FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 2401
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
US-09-657-440-20
```

```
Alignment Scores:
Pred. No.: 264 Length: 2401
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
```



Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-657-440-20 (1-2401)  
Qy 14 GlyLeuLeuAlaThrProAla 21  
Db 932 GGTCTGCTCCTCGCCACTCCGGCG 955  
RESULT 43  
US-09-793-708-20  
; Sequence 20, Application US/09793708  
; Patent No. 6902913  
; GENERAL INFORMATION:  
; APPLICANT: ASHLEY, Gary  
; APPLICANT: BETLACH, Melanie C.  
; APPLICANT: BETLACH, Mary C.  
; APPLICANT: MCDANIEL, Robert  
; APPLICANT: TANG, Li  
; TITLE OF INVENTION: RECOMBINANT NARBONOLIDE POLYKETIDE SYNTHASE  
; FILE REFERENCE: 300622002121  
; CURRENT APPLICATION NUMBER: US/09/793,708  
; CURRENT FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US 09/657,440  
; PRIOR FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: US 09/320,878  
; PRIOR FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: US 09/141,908  
; PRIOR FILING DATE: 1998-08-28  
; PRIOR APPLICATION NUMBER: US 09/073,538  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: US 08/846,247  
; PRIOR FILING DATE: 1997-04-30  
; PRIOR APPLICATION NUMBER: US 60/134,990  
; PRIOR FILING DATE: 1999-05-20  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 20  
; LENGTH: 2401  
; TYPE: DNA  
; ORGANISM: Streptomyces venezuelae  
; FEATURE:  
; NAME/KEY: 1540  
; LOCATION: unsure  
; OTHER INFORMATION: unsure of nucleotide at this position  
US-09-793-708-20  
Alignment Scores:  
Pred. No.: 264 Length: 2401  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-793-708-20 (1-2401)  
Qy 14 GlyLeuLeuAlaThrProAla 21  
Db 932 GGTCTGCTCCTCGCCACTCCGGCG 955  
RESULT 44  
US-09-105-537-23  
; Sequence 23, Application US/09105537A  
; Patent No. 6265202  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, D.H.  
; APPLICANT: Liu, H.  
; APPLICANT: Xue, Y.  
; APPLICANT: Zhao, L.  
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin  
; FILE REFERENCE: 600.438US1  
; CURRENT APPLICATION NUMBER: US/09/105,537A

; CURRENT FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 23  
; LENGTH: 2430  
; TYPE: DNA  
; ORGANISM: Streptomyces venezuelae  
US-09-105-537-23  
Alignment Scores:  
Pred. No.: 267 Length: 2430  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-105-537-23 (1-2430)  
Qy 14 GlyLeuLeuAlaThrProAla 21  
Db 1030 GGTCTGCTCCTCGCCACTCCGGCG 1053  
RESULT 45  
US-08-936-135-1/c  
; Sequence 1, Application US/08936135  
; Patent No. 6054293  
; GENERAL INFORMATION:  
; APPLICANT: Tessier-Lavigne, Marc  
; APPLICANT: He, Zhigang  
; APPLICANT: Chen, Hang  
; TITLE OF INVENTION: Semaphorin Receptors  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 75 DENISE DRIVE  
; CITY: HILLSBOROUGH  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94010  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/936,135  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: UC97-288-2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 343-4341  
; TELEFAX: (650) 343-4342  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2772 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-08-936-135-1  
Alignment Scores:  
Pred. No.: 303 Length: 2772  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-936-135-1 (1-2772)

Qy 153 AlavalProAspLeuGluLeuPro 160  
Db 1560 GCTGTACCCGATCTTGAACTTCCT 1537

RESULT 46

US-09-439-711C-1/c  
; Sequence 1, Application US/09439711C  
; Patent No. 6623738  
; GENERAL INFORMATION:  
; APPLICANT: Tessier-Lavigne, Marc  
; APPLICANT: Zhigang, He  
; APPLICANT: Chen, Hang  
; TITLE OF INVENTION: Semaphorin Receptors  
; FILE REFERENCE: UC97-288-2  
; CURRENT APPLICATION NUMBER: US/09/439,711C  
; PRIOR FILING DATE: 1997-09-24  
; PRIOR APPLICATION NUMBER: 08/889,458  
; PRIOR FILING DATE: 1997-07-08  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 2772  
; TYPE: DNA  
; ORGANISM: human  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2769)  
US-09-439-711C-1

Alignment Scores:  
Pred. No.: 303 Length: 2772  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-439-711C-1 (1-2772)

Qy 153 AlavalProAspLeuGluLeuPro 160  
Db 1560 GCTGTACCCGATCTTGAACTTCCT 1537

RESULT 47

US-08-570-227A-1  
; Sequence 1, Application US/08570227A  
; Patent No. 5981217  
; GENERAL INFORMATION:  
; APPLICANT: Subramaniam, M.  
; APPLICANT: Spelsberg, T. C.  
; TITLE OF INVENTION: DNA ENCODING TGF-BETA INDUCIBLE  
; TITLE OF INVENTION: EARLY FACTOR-1 (TIEF-1), A GENE EXPRESSED  
; TITLE OF INVENTION: BY OSTEOBLASTS  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth, P.A.  
; STREET: P.O. Box 2938  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/570,227A  
; FILING DATE: 11-DEC-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Woessner, Warren D  
; REGISTRATION NUMBER: 30,440  
; REFERENCE/DOCKET NUMBER: 150.157US1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-359-3260  
; TELEFAX: 612-359-3263  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2881 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
US-08-570-227A-1  
Alignment Scores:  
Pred. No.: 315 Length: 2881  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 2 Gaps: 0  
US-10-030-937-9 (1-193) x US-08-570-227A-1 (1-2881)  
Qy 71 SerThrSerValProLeuSerSer 78  
Db 91 TCAACTTCGGTGCCTCTCTCCAGC 114  
RESULT 48  
US-09-077-991-1  
; Sequence 1, Application US/09077991  
; Patent No. 6207375  
; GENERAL INFORMATION:  
; APPLICANT: Subramaniam, M.  
; APPLICANT: Spelsberg, T.C.  
; APPLICANT: Roche, P.C.  
; TITLE OF INVENTION: TGF-Beta inducible early factor-1  
; TITLE OF INVENTION: (TIEF-1) and a method to detect breast cancer  
; FILE REFERENCE: 150.157US2  
; CURRENT APPLICATION NUMBER: US/09/077,991  
; CURRENT FILING DATE: 1998-07-07  
; EARLIER APPLICATION NUMBER: PCT/US96/19555  
; EARLIER FILING DATE: 1996-12-11  
; EARLIER APPLICATION NUMBER: US 08/570,227  
; EARLIER FILING DATE: 1995-12-11  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 2881  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-077-991-1  
Alignment Scores:  
Pred. No.: 315 Length: 2881  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0  
US-10-030-937-9 (1-193) x US-09-077-991-1 (1-2881)  
Qy 71 SerThrSerValProLeuSerSer 78  
Db 91 TCAACTTCGGTGCCTCTCTCCAGC 114  
RESULT 49

US-09-949-016-1081  
; Sequence 1081, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1081  
; LENGTH: 3125  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-1081

Alignment Scores:  
Pred. No.: 340 Length: 3125  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-1081 (1-3125)  
Qy 86 LeuGluLysGluValAlaGlyLeu 93  
Db 891 CTGGAAGGAAAGTGGCCGGGTG 914

RESULT 50  
US-09-434-288-11  
; Sequence 11, Application US/09434288  
; Patent No. 6303767  
; GENERAL INFORMATION:  
; APPLICANT: Betlach C., Melanie  
; APPLICANT: McDaniel, Robert  
; TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA  
; TITLE OF INVENTION: CONSTRUCTS THEREFOR  
; FILE REFERENCE: 30062-20030.00  
; CURRENT APPLICATION NUMBER: US/09/434,288  
; CURRENT FILING DATE: 1999-11-05  
; PRIOR APPLICATION NUMBER: 60/107,093  
; PRIOR FILING DATE: 1998-11-05  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 3241  
; TYPE: DNA  
; ORGANISM: Streptomyces narbonensis  
US-09-434-288-11

Alignment Scores:  
Pred. No.: 353 Length: 3241  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-434-288-11 (1-3241)  
Qy 14 GlyLeuLeuAlaThrProAla 21  
Db 1828 GGTCTGCTCCTCGGACTCCGGCG 1851

RESULT 51  
US-09-692-401-1  
; Sequence 1, Application US/09692401  
; Patent No. 6897288  
; GENERAL INFORMATION:  
; APPLICANT: Heidecker, Leonora  
; APPLICANT: van den Eynde, Benot  
; APPLICANT: Boon-Falleur, Thierry  
; APPLICANT: Brasseur, Francis  
; TITLE OF INVENTION: MAGE-A12 ANTIGENIC PEPTIDES AND USES THEREOF  
; FILE REFERENCE: I0461/7097  
; CURRENT APPLICATION NUMBER: US/09/692,401  
; CURRENT FILING DATE: 2000-10-19  
; EARLIER APPLICATION NUMBER: US 60/160,374  
; EARLIER FILING DATE: 1999-10-19  
; EARLIER APPLICATION NUMBER: US 60/179,570  
; EARLIER FILING DATE: 2000-02-01  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 4523  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (2960)...(3904)  
US-09-692-401-1

Alignment Scores:  
Pred. No.: 487 Length: 4523  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-692-401-1 (1-4523)  
Qy 48 IleArgSerLeuThrLeuGluPro 55  
Db 1858 ATCAGAGCCTCACCTAGAACCA 1881

RESULT 52  
US-08-616-392C-3/c  
; Sequence 3, Application US/08616392C  
; Patent No. 5998165  
; GENERAL INFORMATION:  
; APPLICANT: Goold, Richard D.  
; APPLICANT: Akerblom, Ingrid E.  
; APPLICANT: Seilhamer, Jeffrey  
; APPLICANT: Coleman, Roger  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES PANCA  
; TITLE OF INVENTION: AND PANCLB ASSOCIATED WITH PANCREATIC CANCER  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/616,392C  
FILING DATE: 15-MAR-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/581,240  
FILING DATE: 29-DEC-1995

ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0052-1US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5035 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: hnt  
CLONE: 496071  
US-08-616-392C-3

Alignment Scores:  
Pred. No.: 540 Length: 5035  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 2 Gaps: 0

US-10-030-937-9 (1-193) x US-08-616-392C-3 (1-5035)

Qy 143 GlyThrTyrSerLeuProLysSer 150  
Db 3605 GGGACATATAGTCTACTTAAGAGT 3582

RESULT 53

US-09-583-638-1/c  
Sequence 1, Application US/09583638  
Patent No. 6635421  
GENERAL INFORMATION:  
APPLICANT: KLAGSBRUN, MICHAEL  
APPLICANT: SOKER, SHAY  
APPLICANT: MIAO, HUA-QUAN  
APPLICANT: TAKASHIMA, SEIJI  
TITLE OF INVENTION: NEUROFILINS AND USE THEREOF IN METHODS FOR  
DIAGNOSIS AND PROGNOSIS OF CANCER  
FILE REFERENCE: 701039-48800  
CURRENT APPLICATION NUMBER: US/09/583,638  
CURRENT FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: PCT/US98/26127  
PRIOR FILING DATE: 1998-12-09  
PRIOR APPLICATION NUMBER: 60/069,155  
PRIOR FILING DATE: 1997-12-09  
PRIOR APPLICATION NUMBER: 60/069,687  
PRIOR FILING DATE: 1997-12-12  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 5653  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-583-638-1

Alignment Scores:  
Pred. No.: 605 Length: 5653  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-583-638-1 (1-5653)

Qy 153 AlaValProAspLeuGluLeuPro 160  
Db 1798 GCTGTACCCGATCTTGAACTTCCT 1775

RESULT 54  
US-09-674-460-1/c  
Sequence 1, Application US/09674460  
Patent No. 6458944  
GENERAL INFORMATION:  
APPLICANT: Hoechst Marion Roussel Ltd  
TITLE OF INVENTION: Human BMP-4 promoter and method for exploring  
TITLE OF INVENTION: bone-related substance by using the same.  
FILE REFERENCE: JH98K004 PCT SEQUENCES IN ENGLISH  
CURRENT APPLICATION NUMBER: US/09/674,460  
CURRENT FILING DATE: 2000-11-30  
PRIOR APPLICATION NUMBER: 10-120173  
PRIOR FILING DATE: 1998-04-30  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 6774  
TYPE: DNA  
ORGANISM: HUMAN  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)..(6774)  
OTHER INFORMATION: Human BMP-4 5' upstream gene sequence including  
OTHER INFORMATION: the exon 1 through exon 3 regions.  
US-09-674-460-1

Alignment Scores:  
Pred. No.: 720 Length: 6774  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-674-460-1 (1-6774)

Qy 175 SerSerSerGlyLysArgLeuGly 182  
Db 2968 TCCAGCTCTGGGAAGCGGCTGGG 2945

RESULT 55

US-09-949-016-15199  
Sequence 15199, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 15199  
LENGTH: 8282  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-15199

Alignment Scores:  
Pred. No.: 875 Length: 8282  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-15199 (1-8282)

Qy	175	SerSerSerGlyLysArgLeuGly	182
Db	6638	TCCAGCTCTGGGAAGCGGCTGGGG	6666

## RESULT 56

US-09-902-540-1084/c  
; Sequence 1084, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 1084  
; LENGTH: 9035  
; TYPE: DNA  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-1084

Alignment Scores:		
Pred. No.:	952	9035
Score:	8.00	8
Percent Similarity:	100.0%	0
Best Local Similarity:	100.0%	0
Query Match:	4.1%	0
DB:	3	0
	Length:	
	Matches:	
	Conservative:	
	Mismatches:	
	Indels:	
	Gaps:	

US-10-030-937-9 (1-193) x US-09-902-540-1084 (1-9035)

Qy 173 ValLeuSerSerGlyLysArg 180  
|||  
Db 1189 GTGTTGTCTCCTCGGGGAGAGG 1166

## RESULT 57

```

US-09-949-016-13218/c
; Sequence 13218, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13218
; LENGTH: 11105
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13218

Alignment Scores:
Pred. No.: 1.16e+03 Length: 11105
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0

```



```

; Patent No. 6824972
; GENERAL INFORMATION:
; APPLICANT: Kenwick, Sue J.
; APPLICANT: Nelson, David L.
; APPLICANT: Aradhya, Swaroop
; APPLICANT: D'Urso, Michele
; APPLICANT: Woffendin, Hayley
; APPLICANT: Munnich, Arnold
; APPLICANT: Smahi, Asmae
; APPLICANT: Israel, Alain
; APPLICANT: Poustka, Annemarie
; APPLICANT: Lewis, Richard A
; APPLICANT: Levy, Moise
; APPLICANT: Heiss, Nina
; TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def
; TITLE OF INVENTION: NFKAPPA B (NF-kB) Activation
; FILE REFERENCE: HO-P01961US1
; CURRENT APPLICATION NUMBER: US/09/863,049B
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/206,223
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 23106
; TYPE: DNA
; ORGANISM: Human
US-09-863-049B-1

Alignment Scores:
Pred. No.:          2.37e+03      Length:      23106
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:       0
DB:                  3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-863-049B-1 (1-23106)
Qy      16 LeuLeuAlaThrProAlaGlnAla 23
Db      8369 TTGCTGGTACTCTGCCCCAGGCA 8346

RESULT 64
US-09-949-016-12778/c
; Sequence 12778, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12778
; LENGTH: 35064
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(35064)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12778

Alignment Scores:
Pred. No.:          3.55e+03      Length:      35065
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:       0
DB:                  3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-13196 (1-35065)
Qy      148 ProLysSerGluPheAlaValPro 155
Db      30445 CCAAAATCAGAATTGCTGTCCA 30422

RESULT 66
US-09-949-016-11745
; Sequence 11745, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12778
; LENGTH: 35064
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(35064)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12778

Alignment Scores:
```

```

Pred. No.:          3.54e+03      Length:      35064
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:       0
DB:                  3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-12778 (1-35064)
Qy      148 ProLysSerGluPheAlaValPro 155
Db      30445 CCAAAATCAGAATTGCTGTCCA 30422

RESULT 65
US-09-949-016-13196/c
; Sequence 13196, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13196
; LENGTH: 35065
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(35065)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13196

Alignment Scores:
Pred. No.:          3.55e+03      Length:      35065
Score:              8.00          Matches:      8
Percent Similarity: 100.0%        Conservative: 0
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:        4.1%          Indels:       0
DB:                  3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-13196 (1-35065)
Qy      148 ProLysSerGluPheAlaValPro 155
Db      30445 CCAAAATCAGAATTGCTGTCCA 30422

RESULT 66
US-09-949-016-11745
; Sequence 11745, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12778
; LENGTH: 35064
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(35064)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12778

Alignment Scores:
```



; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11745  
; LENGTH: 36180  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-11745

Alignment Scores:  
Pred. No.: 3.65e+03 Length: 36180  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-11745 (1-36180)

Qy 10 LeuileAlaLeuGlyLeuLeu 17  
Db 11318 CTCATAGCACTTGGTCTGCTTCTT 11341

RESULT 67

US-09-949-016-16163  
; Sequence 16163, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16163  
; LENGTH: 36181  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-16163

Alignment Scores:  
Pred. No.: 3.65e+03 Length: 36181  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-16163 (1-36181)

Qy 10 LeuileAlaLeuGlyLeuLeu 17  
Db 11318 CTCATAGCACTTGGTCTGCTTCTT 11341

RESULT 68

US-09-301-665-3  
; Sequence 3, Application US/09301665  
; Patent No. 6207876  
; GENERAL INFORMATION:  
; APPLICANT: KELLEMS, RODNEY E.  
; APPLICANT: DATTA, SURJIT K.  
; APPLICANT: BLACKBURN, MICHAEL R.  
; TITLE OF INVENTION: ADENOSINE DEAMINASE DEFICIENT TRANSGENIC MICE AND  
; FILE REFERENCE: UTSH:243  
; CURRENT APPLICATION NUMBER: US/09/301,665

; CURRENT FILING DATE: 1999-04-28  
; EARLIER APPLICATION NUMBER: 60/083,408  
; EARLIER FILING DATE: 1998-04-29  
; EARLIER APPLICATION NUMBER: 60/083,370  
; EARLIER FILING DATE: 1998-04-28  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 36741  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-301-665-3

Alignment Scores:  
Pred. No.: 3.71e+03 Length: 36741  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-301-665-3 (1-36741)

Qy 10 LeuileAlaLeuGlyLeuLeu 17  
Db 13133 CTCATAGCACTTGGTCTGCTTCTT 13156

RESULT 69

US-09-782-378A-12  
; Sequence 12, Application US/09782378A  
; Patent No. 6916635  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, Wadie  
; APPLICANT: Sandalon, Ziv  
; APPLICANT: Gnatenko, Dmitri  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/237,747  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 12  
; LENGTH: 36741  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-782-378A-12

Alignment Scores:  
Pred. No.: 3.71e+03 Length: 36741  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-782-378A-12 (1-36741)

Qy 10 LeuileAlaLeuGlyLeuLeu 17  
Db 13133 CTCATAGCACTTGGTCTGCTTCTT 13156

RESULT 70

US-09-816-093-3/c  
; Sequence 3, Application US/09816093  
; Patent No. 6518055  
; GENERAL INFORMATION:  
; APPLICANT: GAN, Weiniu et al  
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS, AND  
; FILE REFERENCE: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND  
; TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: CL001182  
CURRENT APPLICATION NUMBER: US/09/816,093  
CURRENT FILING DATE: 2001-03-26  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 46718  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(46718)  
OTHER INFORMATION: n = A,T,C or G  
US-09-816-093-3

Alignment Scores:  
Pred. No.: 4.68e+03 Length: 46718  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-816-093-3 (1-46718)

Qy 46 AlaValIleArgSerLeuThrLeu 53  
Db 382 GCGGTGATTGCTAGTCTCACCTG 359

RESULT 71

US-09-949-016-12070/c  
Sequence 12070, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 12070  
LENGTH: 57392  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(57392)  
OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-12070

Alignment Scores:  
Pred. No.: 5.72e+03 Length: 57392  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12070 (1-57392)

Qy 175 SerSerSerGlyLysArgLeuGly 182  
Db 5669 TCAAGCAGTGAAGAGGCTGGC 5646

RESULT 72

US-09-949-016-13293/c  
Sequence 13293, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 13293  
LENGTH: 57402  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(57402)  
OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-13293

Alignment Scores:  
Pred. No.: 5.72e+03 Length: 57402  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13293 (1-57402)

Qy 175 SerSerSerGlyLysArgLeuGly 182  
Db 5669 TCAAGCAGTGAAGAGGCTGGC 5646

RESULT 73

US-09-949-016-12823  
Sequence 12823, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 12823  
LENGTH: 62386  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(62386)  
OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-12823

Alignment Scores:  
Pred. No.: 6.2e+03 Length: 62386

Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12823 (1-62386)

QY 86 LeuGlulysGluValAlaGlyLeu 93

|||||

Db 19877 CTGAAAGGAAGTGGCGGGTTG 19900

RESULT 74

US-09-949-016-12254

; Sequence 12254, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 12254

; LENGTH: 83617

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-12254

Alignment Scores:

Pred. No.:

Score: 8.23e+03 Length: 83617

Match: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-12254 (1-83617)

QY 73 SerValProLeuSerProLeu 80

|||||

Db 40804 TCAGTCCCTCTCTCTCCACTG 40827

RESULT 75

US-09-949-016-13530

; Sequence 13530, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13530

; LENGTH: 145287

; TYPE: DNA

; ORGANISM: Human  
US-09-949-016-13530

Alignment Scores:

Pred. No.:

Score: 1.41e+04 Length: 145287

Match: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13530 (1-145287)

QY 67 SerValValGlySerThrSerVal 74

|||||

Db 54890 TCCGTCGTTGGGTCACCAGTGTG 54913

RESULT 76

US-09-949-016-13531

; Sequence 13531, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13531

; LENGTH: 145287

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-13531

Alignment Scores:

Pred. No.:

Score: 1.41e+04 Length: 145287

Match: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0

Best Local Similarity: 100.0% Mismatches: 0

Query Match: 4.1% Indels: 0

DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-949-016-13531 (1-145287)

QY 67 SerValValGlySerThrSerVal 74

|||||

Db 54890 TCCGTCGTTGGGTCACCAGTGTG 54913

RESULT 77

US-09-949-016-11762/c

; Sequence 11762, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

```
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11762
; LENGTH: 222691
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11762

Alignment Scores:
Pred. No.:      2.13e+04      Length:      222691
Score:          8.00          Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    4.1%         Indels:        0
DB:             3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-11762 (1-222691)

Qy      176 SerSerGlyLysArgLeuGlyCys 183
      |||||||
Db      146875 TCATCAGGGAAGAGGCTTGGCTGT 146852

RESULT 78
US-09-949-016-15842/c
; Sequence 15842, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15842
; LENGTH: 222697
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15842

Alignment Scores:
Pred. No.:      2.13e+04      Length:      222697
Score:          8.00          Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    4.1%         Indels:        0
DB:             3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-15842 (1-222697)

Qy      176 SerSerGlyLysArgLeuGlyCys 183
      |||||||
Db      146880 TCATCAGGGAAGAGGCTTGGCTGT 146857

RESULT 79
US-09-949-016-14381/c
; Sequence 14381, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14381
; LENGTH: 254405
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14381

Alignment Scores:
Pred. No.:      2.42e+04      Length:      254405
Score:          8.00          Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    4.1%         Indels:        0
DB:             3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-14381 (1-254405)

Qy      72 ThrSerValProLeuSerSerPro 79
      |||||||
Db      60107 ACTTCAGTCCCACTCTCAAGTCCT 60084

RESULT 80
US-09-949-016-11852
; Sequence 11852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11852
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11852

Alignment Scores:
Pred. No.:      3.01e+04      Length:      321022
Score:          8.00          Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    4.1%         Indels:        0
DB:             3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-11852 (1-321022)

Qy      49 ArgSerLeuThrLeuGluProAsp 56
      |||||||
Db      76721 AGATCTTGACTTTAGAGCCAGAT 76744

RESULT 81
US-09-949-016-14166
; Sequence 14166, Application US/09949016
```

```
; NUMBER OF SEQ ID NOS: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14381
; LENGTH: 254405
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14381

Alignment Scores:
Pred. No.:      2.42e+04      Length:      254405
Score:          8.00          Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    4.1%         Indels:        0
DB:             3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-14381 (1-254405)

Qy      72 ThrSerValProLeuSerSerPro 79
      |||||||
Db      60107 ACTTCAGTCCCACTCTCAAGTCCT 60084

RESULT 80
US-09-949-016-11852
; Sequence 11852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11852
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11852

Alignment Scores:
Pred. No.:      3.01e+04      Length:      321022
Score:          8.00          Matches:      8
Percent Similarity: 100.0%    Conservative: 0
Best Local Similarity: 100.0% Mismatches:      0
Query Match:    4.1%         Indels:        0
DB:             3            Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-11852 (1-321022)

Qy      49 ArgSerLeuThrLeuGluProAsp 56
      |||||||
Db      76721 AGATCTTGACTTTAGAGCCAGAT 76744

RESULT 81
US-09-949-016-14166
; Sequence 14166, Application US/09949016
```

```
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14166
; LENGTH: 321022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(321022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14166

Alignment Scores:
Pred. No.:          3.01e+04      Length:      321022
Score:              8.00         Matches:      8
Percent Similarity: 100.0%       Conservative: 0
Best Local Similarity: 100.0%    Mismatches:  0
Query Match:        4.1%        Indels:      0
DB:                 3           Gaps:          0

US-10-030-937-9 (1-193) x US-09-949-016-14166 (1-321022)

Qy      49 ArgSerLeuThrLeuGluProAsp 56
      |||||||
Db      76721 AGATCTTTGACTTTAGAGCCAGAT 76744

RESULT 82
US-09-949-016-12373/c
; Sequence 12373, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12373
; LENGTH: 336024
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(336024)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12373

Alignment Scores:
Pred. No.:          3.15e+04      Length:      336024
Score:              8.00         Matches:      8
Percent Similarity: 100.0%       Conservative:  0
```

```
Best Local Similarity: 100.0%      Mismatches:  0
Query Match:          4.1%        Indels:      0
DB:                   3           Gaps:        0

US-10-030-937-9 (1-193) x US-09-949-016-12373 (1-336024)

Qy      28 ProSerGlnLeuSerSerPheSer 35
      |||||||
Db      292462 CCCTCTCAATTATCCTCTTCTCT 292439

RESULT 83
US-09-949-016-13498/c
; Sequence 13498, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13498
; LENGTH: 343352
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(343352)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13498

Alignment Scores:
Pred. No.:          3.22e+04      Length:      343352
Score:              8.00         Matches:      8
Percent Similarity: 100.0%       Conservative:  0
Best Local Similarity: 100.0%    Mismatches:  0
Query Match:        4.1%        Indels:      0
DB:                   3           Gaps:        0

US-10-030-937-9 (1-193) x US-09-949-016-13498 (1-343352)

Qy      71 SerThrSerValProLeuSerSer 78
      |||||||
Db      68864 TCTACTTCGTAACCACTGTGTCATCG 68841

RESULT 84
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
```

; FEATURE:  
; OTHER INFORMATION: CDC 1551  
; OTHER INFORMATION: "n" bases at various positions throughout the sequence  
; OTHER INFORMATION: represent a, t, c or g  
US-09-103-840A-2

Alignment Scores:  
Pred. No.: 3.57e+05 Length: 4403765  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-103-840A-2 (1-4403765)

Qy 65 ThrLeuSerValValGlySerThr 72

Db 176751 ACGCTATCCGTTGTTCGGAAGCAC 176774

RESULT 85

US-09-103-840A-1  
; Sequence 1, Application US/09103840A  
; Patent No. 6294328  
; GENERAL INFORMATION:  
; APPLICANT: FLEISCHMAN, Robert D.  
; APPLICANT: WHITE, Owen R.  
; APPLICANT: FRASER, Claire M.  
; APPLICANT: VENTER, John C.  
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
; FILE REFERENCE: 24366-20007.00  
; CURRENT APPLICATION NUMBER: US/09/103,840A  
; CURRENT FILING DATE: 1998-06-24  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 4411529  
; TYPE: DNA  
; ORGANISM: Mycobacterium tuberculosis  
; OTHER INFORMATION: H37Rv  
US-09-103-840A-1

Alignment Scores:  
Pred. No.: 3.57e+05 Length: 4411529  
Score: 8.00 Matches: 8  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 4.1% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-103-840A-1 (1-4411529)

Qy 65 ThrLeuSerValValGlySerThr 72

Db 176582 ACGCTATCCGTTGTTCGGAAGCAC 176605

RESULT 86

US-09-396-196G-9178  
; Sequence 9178, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806

; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 9178  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-09-396-196G-9178

Alignment Scores:  
Pred. No.: 33.2 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-9178 (1-25)

Qy 72 ThrSerValProLeuSerSer 78

Db 1 ACTTCAGTTCCTTTAAGCAGC 21

RESULT 87

US-09-396-196G-36003  
; Sequence 36003, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 127806  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 36003  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-09-396-196G-36003

Alignment Scores:  
Pred. No.: 33.2 Length: 25  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-396-196G-36003 (1-25)

Qy 171 GluSerValLeuSerSer 177

Db 3 GAGTCAGTCTCTTCCAGT 23

RESULT 88

US-09-396-196G-36004  
; Sequence 36004, Application US/09396196G  
; Patent No. 6821724  
; GENERAL INFORMATION:  
; APPLICANT: Michael Mittmann  
; APPLICANT: David Mack  
; APPLICANT: David Lockhart  
; APPLICANT: Affymetrix, Inc.  
; TITLE OF INVENTION: Methods of Genetic Analysis  
; FILE REFERENCE: 3101.1  
; CURRENT APPLICATION NUMBER: US/09/396,196G  
; CURRENT FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: 60/100,678  
; PRIOR FILING DATE: 1998-09-17

```
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36004
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-396-196G-36004

Alignment Scores:
Pred. No.:      33.2      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-396-196G-36004 (1-25)

QY      171 GluSerValLeuSerSerSer 177
      |||||||
Db      1 GAGTCAGTCCTGTCTCCAGT 21

RESULT 89
US-09-396-196G-79253
; Sequence 79253, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 79253
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-79253

Alignment Scores:
Pred. No.:      33.2      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-396-196G-79253 (1-25)

QY      172 SerValLeuSerSerSerGly 178
      |||||||
Db      4 TCCGTCCTATCTTCCTCAGGC 24

RESULT 90
US-09-396-196G-100384
; Sequence 100384, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
```

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; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 100384
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-100384

Alignment Scores:
Pred. No.:      33.2      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-396-196G-100384 (1-25)

QY      12 AlaLeuGlyLeuLeuAla 18
      |||||||
Db      5 GCTTTGGGTCTGCTTCTTGCC 25

RESULT 91
US-09-396-196G-107252/c
; Sequence 107252, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 107252
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-107252

Alignment Scores:
Pred. No.:      33.2      Length:      25
Score:          7.00      Matches:      7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    3.6%      Indels:      0
DB:             3        Gaps:        0

US-10-030-937-9 (1-193) x US-09-396-196G-107252 (1-25)

QY      125 CysProGluProLeuArgThr 131
      |||||||
Db      24 TGTCCTGAGCCTCTGAGAACT 4

RESULT 92
US-09-396-196G-107253/c
; Sequence 107253, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
```





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; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 472:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" represents the stem II region
; OTHER INFORMATION: of an HH ribozyme.
US-08-584-040-472

Alignment Scores:
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-584-040-472 (1-27)

Qy 174 LeuSerSerSergLyLysArg 180
Db 21 CTTTCNTCATCAGGGAAGAGG 1

RESULT 96
US-08-584-040-3423/c
; Sequence 3423, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
```

```
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" represents the stem II region
; OTHER INFORMATION: of an HH ribozyme.
US-08-584-040-3423

Alignment Scores:
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-584-040-3423 (1-27)

Qy 172 SerValLeuSerSerSergLy 178
Db 27 AGTGTCTTTTCATCAGGG 7

RESULT 97
US-08-584-040-6526/c
; Sequence 6526, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
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;
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6526:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" represents the stem II region
; OTHER INFORMATION: of an HH ribozyme.
US-08-584-040-6526

Alignment Scores:
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-584-040-6526 (1-27)

QY 174 LeuSerSerSerGlyLysArg 180
Db 21 CTTTCNTCATCGGAAAGA 1

RESULT 98
US-08-584-040-6640/c
; Sequence 6640, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
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;
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6640:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; OTHER INFORMATION: The letter "N" represents the stem II region
; OTHER INFORMATION: of an HH ribozyme.
US-08-584-040-6640

Alignment Scores:
Pred. No.: 35.7 Length: 27
Score: 7.00 Matches: 7
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 3.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-08-584-040-6640 (1-27)

QY 174 LeuSerSerSerGlyLysArg 180
Db 21 CTTTCNTCATCGGGAAGG 1

RESULT 99
US-09-401-063-1452/c
; Sequence 1452, Application US/09401063
; Patent No. 6623962
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/401,063
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/985,162
; FILING DATE: 04 December 1997
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; APPLICATION NUMBER: 60/036,476  
; FILING DATE: 31 January 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 230/107  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 1452:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 27 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; OTHER INFORMATION: The letter "N" stands for the stem  
; OTHER INFORMATION: II region of a HH ribozyme.  
US-09-401-063-1452

Alignment Scores:  
Pred. No.: 35.7 Length: 27  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-09-401-063-1452 (1-27)

Qy 173 ValLeuSerSerGlyLys 179  
Db 24 GTTCTTTCNTCATCGCAAA 4

RESULT 100

US-10-131-827-3778/c  
; Sequence 3778, Application US/10131827  
; Patent No. 6905827  
; GENERAL INFORMATION:  
; APPLICANT: Wohlgemuth, Jay  
; APPLICANT: Fry, Kirk  
; APPLICANT: Woodward, Robert  
; APPLICANT: Ly, Ngoc  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE  
; TITLE OF INVENTION: CHRONIC INFLAMMATORY DISEASES  
; FILE REFERENCE: 506612000120  
; CURRENT APPLICATION NUMBER: US/10/131,827  
; CURRENT FILING DATE: 2002-09-06  
; PRIOR APPLICATION NUMBER: US 10/006,290  
; PRIOR FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: US 60/296,764  
; PRIOR FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 9090  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3778  
; LENGTH: 50  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-131-827-3778

Alignment Scores:  
Pred. No.: 65 Length: 50  
Score: 7.00 Matches: 7  
Percent Similarity: 100.0% Conservative: 0  
Best Local Similarity: 100.0% Mismatches: 0  
Query Match: 3.6% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-9 (1-193) x US-10-131-827-3778 (1-50)

Qy 64 ValThrLeuSerValValGly 70  
Db ||||||||||||||||||

Db 22 GTCACTCTTTTCAGTGGTGGGC 2  
  
Search completed: February 16, 2006, 14:47:58  
Job time : 1515 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:26:44 ; Search time 20.2667 Seconds  
(without alignments)  
329.865 Million cell updates/sec

Title: US-10-030-937-68  
Perfect score: 94  
Sequence: 1 FSWDNCFEKGKDPVIR 16

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA Main.\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	85	90.4	193	4	US-10-170-385-389
2	85	90.4	193	5	US-10-723-860-529
3	85	90.4	193	5	US-10-450-763-31079
4	57	60.6	126	3	US-09-764-891-4977
5	57	60.6	191	4	US-10-264-049-2611
6	47	50.0	620	4	US-10-369-493-14781
7	47	50.0	623	4	US-10-369-493-14935
8	47	50.0	649	4	US-10-369-493-11373
9	46	48.9	101	4	US-10-425-115-246626
10	46	48.9	211	4	US-10-225-066A-96
11	46	48.9	211	4	US-10-374-780A-2846
12	46	48.9	211	5	US-10-732-923-5447
13	46	48.9	211	5	US-10-225-066A-96
14	46	48.9	588	4	US-10-282-122A-77389
15	45	47.9	493	4	US-10-369-493-4327
16	45	47.9	493	4	US-10-369-493-7083
17	45	47.9	1411	4	US-10-282-122A-43060
18	44	46.8	74	4	US-10-437-963-110611
19	44	46.8	90	4	US-10-425-115-350643
20	44	46.8	108	4	US-10-425-115-351913
21	44	46.8	131	5	US-10-935-098-99
22	44	46.8	131	5	US-10-472-533-541
23	44	46.8	132	3	US-09-739-907-99
24	44	46.8	132	3	US-09-938-671-99
25	44	46.8	172	3	US-09-739-907-87
26	44	46.8	172	3	US-09-938-671-87
27	44	46.8	172	5	US-10-935-098-87

28	44	46.8	172	5	US-10-472-533-540	Sequence 540, App
29	44	46.8	177	3	US-09-833-245-1188	Sequence 1188, Ap
30	44	46.8	182	3	US-09-739-907-191	Sequence 191, App
31	44	46.8	182	3	US-09-938-671-191	Sequence 191, App
32	44	46.8	182	5	US-10-935-098-191	Sequence 191, App
33	44	46.8	213	4	US-10-425-115-224812	Sequence 224812,
34	44	46.8	320	5	US-10-472-533-422	Sequence 422, App
35	44	46.8	330	3	US-09-833-245-1189	Sequence 1189, Ap
36	44	46.8	357	5	US-10-495-148-44	Sequence 44, Appl
37	44	46.8	406	3	US-09-731-872-245	Sequence 245, App
38	44	46.8	406	3	US-09-876-997-245	Sequence 245, App
39	44	46.8	406	3	US-09-978-360A-430	Sequence 430, App
40	44	46.8	406	4	US-10-028-072-66	Sequence 66, Appl
41	44	46.8	406	4	US-10-028-072-258	Sequence 258, App
42	44	46.8	406	4	US-10-140-808-66	Sequence 66, Appl
43	44	46.8	406	4	US-10-140-808-258	Sequence 258, App
44	44	46.8	406	4	US-10-121-049-66	Sequence 66, Appl
45	44	46.8	406	4	US-10-121-049-258	Sequence 258, App

ALIGNMENTS

RESULT 1  
US-10-170-385-389  
; Sequence 389, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 532682000100  
; CURRENT APPLICATION NUMBER: US/10/170,385  
; CURRENT FILING DATE: 2002-06-12  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: PCT/GB02/01662  
; PRIOR FILING DATE: 2001-12-10  
; NUMBER OF SEQ ID NOS: 549  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 389  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-170-385-389

Query Match 90.4%; Score 85; DB 4; Length 193;  
Best Local Similarity 93.8%; Pred. No. 5e-06;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 FSWDNCFEKGKDPVIR 16  
Db 34 FSWDNCDEGKDPVIR 49

RESULT 2  
US-10-723-860-529  
; Sequence 529, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

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; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match      90.4%; Score 85; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

Qy      1 FSWDNCFEKGKDPVAVIR 16
      ||||| ||||| |||||
Db      34 FSWDNCDEGKDPVAVIR 49

RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/549,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match      90.4%; Score 85; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

Qy      1 FSWDNCFEKGKDPVAVIR 16
      ||||| ||||| |||||
Db      34 FSWDNCDEGKDPVAVIR 49

RESULT 4
US-09-764-891-4977
; Sequence 4977, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4977
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: SITE
; LOCATION: (119)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (122)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (123)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4977

Query Match      60.6%; Score 57; DB 3; Length 126;
Best Local Similarity 50.0%; Pred. No. 0.17;
Matches 8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGKDPVAVIR 16
      ||:||||| ||||| ::
Db      52 FFWENCHERKDPVLLK 67

RESULT 5
US-10-264-049-2611
; Sequence 2611, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2611
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (141)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (184)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (187)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2611

Query Match      60.6%; Score 57; DB 4; Length 191;
Best Local Similarity 50.0%; Pred. No. 0.26;
Matches 8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGKDPVAVIR 16
      ||:||||| ||||| ::
Db      52 FFWENCHERKDPVLLK 67

RESULT 6
US-10-369-493-14781
; Sequence 14781, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
```

```
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 14781
; LENGTH: 620
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(620)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-14781

Query Match          50.0%; Score 47; DB 4; Length 620;
Best Local Similarity 56.2%; Pred. No. 43;
Matches 9; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

QY      2 SWDNCFEG--KDPAVI 15
Db      459 SWNNGFEGLTDDPAIV 474

RESULT 7
US-10-369-493-14935
; Sequence 14935, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 14935
; LENGTH: 623
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(623)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-14935

Query Match          50.0%; Score 47; DB 4; Length 623;
Best Local Similarity 56.2%; Pred. No. 43;
Matches 9; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

QY      2 SWDNCFEG--KDPAVI 15
Db      458 SWNNGFEGLTDDPAIV 473

RESULT 8
US-10-369-493-11373
; Sequence 11373, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 11373
; LENGTH: 649
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-11373

Query Match          50.0%; Score 47; DB 4; Length 649;
Best Local Similarity 56.2%; Pred. No. 45;
Matches 9; Conservative 3; Mismatches 2; Indels 2; Gaps 1;

QY      2 SWDNCFEG--KDPAVI 15
Db      465 SWNNGFEGLTDDPAIV 480

RESULT 9
US-10-425-115-246626
; Sequence 246626, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 246626
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_156506C.1.pep
US-10-425-115-246626

Query Match          48.9%; Score 46; DB 4; Length 101;
Best Local Similarity 46.2%; Pred. No. 9.4;
Matches 6; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      3 WDNCFEGKDPAVI 15
Db      28 WNSCFHGPEPPVM 40

RESULT 10
US-10-225-066A-96
; Sequence 96, Application US/10225066A
; Publication No. US20030226173A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
```



```
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROWN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-96

Query Match          48.9%; Score 46; DB 4; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      2 SWDNCFEGKD 11
      |||||:|
Db      169 SWYNCFDGDD 178

RESULT 11
US-10-374-780A-2846
; Sequence 2846, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066

; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROWN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-96

Query Match          48.9%; Score 46; DB 4; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      2 SWDNCFEGKD 11
      |||||:|
Db      169 SWYNCFDGDD 178

RESULT 12
US-10-732-923-5447
; Sequence 5447, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 5447
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-732-923-5447

Query Match          48.9%; Score 46; DB 5; Length 211;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      2 SWDNCFEGKD 11
      |||||:|
Db      169 SWYNCFDGDD 178

RESULT 13
US-10-225-066A-96
; Sequence 96, Application US/10225066A
; Publication No. US20050160493A9
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROWN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
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; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-96

Query Match      48.9%; Score 46; DB 5; Length 211;
Best Local Similarity 70.0%; Pred. No: 20;
Matches      7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      2 SWDNCFEKGD 11
Db      169 SWYNCFDGDD 178

RESULT 14
US-10-282-122A-77389
; Sequence 77389, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77389
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; LENGTH: 588
; TYPE: PRT
; ORGANISM: Vibrio cholerae
US-10-282-122A-77389

Query Match      48.9%; Score 46; DB 4; Length 588;
Best Local Similarity 57.1%; Pred. No: 60;
Matches      8; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY      3 WDNCFEGKDPVIR 16
Db      447 WENSKGGEDPVVIR 460

RESULT 15
US-10-369-493-4327
; Sequence 4327, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 4327
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-369-493-4327

Query Match      47.9%; Score 45; DB 4; Length 493;
Best Local Similarity 58.3%; Pred. No: 74;
Matches      7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      3 WDNCFEGKDPVIR 14
Db      449 WVNCYQVMDPAV 460

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Job time : 21.2667 secs
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:27:39 ; Search time 1.84889 Seconds  
(without alignments)  
122.986 Million cell updates/sec

Title: US-10-030-937-68  
Perfect score: 94  
Sequence: 1 FSWDNCFEKDPVIR 16

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 107799 seqs, 14211699 residues

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA\_New:\*  
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2: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
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6: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	85	90.4	201	6	US-10-821-234-1162
2	44	46.8	406	5	US-09-978-360A-430
3	44	46.8	406	6	US-10-131-826A-66
4	44	46.8	406	6	US-10-131-826A-258
5	40.5	43.1	246	6	US-10-454-437-206
6	40.5	43.1	422	6	US-10-454-437-202
7	40.5	43.1	422	7	US-11-055-822-372
8	40	42.6	304	6	US-10-793-626-2190
9	40	42.6	308	6	US-10-512-340-43
10	39.5	42.0	388	6	US-10-527-500-51
11	39	41.5	239	7	US-11-000-463-875
12	39	41.5	239	7	US-11-000-463-876
13	39	41.5	261	7	US-11-000-463-404
14	38.5	41.0	393	6	US-10-527-500-49
15	38	40.4	153	7	US-11-098-765-2
16	38	40.4	177	7	US-11-098-765-4
17	38	40.4	184	7	US-11-237-600-77
18	38	40.4	192	7	US-11-237-600-69
19	38	40.4	194	6	US-10-878-556A-130
20	38	40.4	198	7	US-11-237-600-7
21	38	40.4	269	7	US-11-000-463-403
22	38	40.4	2326	7	US-11-126-313-37
23	37	39.4	12	7	US-11-188-552-16
24	37	39.4	117	7	US-11-072-512-2724
25	37	39.4	252	6	US-10-527-500-19

26	37	39.4	538	7	US-11-167-856-20	Sequence 20, Appl
27	36.5	38.8	421	6	US-10-525-710-42	Sequence 42, Appl
28	36	38.3	132	7	US-11-169-041-187	Sequence 187, App
29	36	38.3	262	6	US-10-793-626-1568	Sequence 1568, Ap
30	36	38.3	430	6	US-10-877-346-76	Sequence 76, Appl
31	36	38.3	451	6	US-10-508-263-68	Sequence 68, Appl
32	36	38.3	451	6	US-10-508-263-70	Sequence 70, Appl
33	36	38.3	1042	7	US-11-067-811-1	Sequence 1, Appli
34	35.5	37.8	519	7	US-11-033-039-442	Sequence 442, App
35	35.5	37.8	536	6	US-10-131-826A-490	Sequence 490, App
36	35	37.2	196	7	US-11-237-600-70	Sequence 70, Appl
37	35	37.2	201	6	US-10-821-234-1609	Sequence 1609, Ap
38	35	37.2	234	7	US-11-194-890-7	Sequence 7, Appli
39	35	37.2	254	7	US-11-224-076-2	Sequence 2, Appli
40	35	37.2	260	7	US-11-052-554A-122	Sequence 122, App
41	35	37.2	273	6	US-10-995-561-917	Sequence 917, App
42	35	37.2	315	7	US-11-098-686-11063	Sequence 11063, A
43	35	37.2	408	6	US-10-821-234-1100	Sequence 1100, Ap
44	35	37.2	450	7	US-11-087-100-20	Sequence 20, Appl
45	35	37.2	450	7	US-11-087-100-28	Sequence 28, Appl

ALIGNMENTS

RESULT 1  
US-10-821-234-1162  
; Sequence 1162, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; PRIOR FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_SEQ\_genes Version 1.0  
; SEQ ID NO 1162  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1162

Query Match 90.4%; Score 85; DB 6; Length 201;  
Best Local Similarity 93.8%; Pred. No. 6.1e-07;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 FSWDNCFEKDPVIR 16  
|||||  
Db 42 FSWDNCDEKDPVIR 57

RESULT 2  
US-09-978-360A-430  
; Sequence 430, Application US/09978360A  
; Publication No. US20060009633A9  
; GENERAL INFORMATION:  
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne  
; APPLICANT: Duclert, Aymeric  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Jobert, Severin  
; APPLICANT: Clusel, Catherine  
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides  
; FILE REFERENCE: 56.US4.CIP  
; CURRENT APPLICATION NUMBER: US/09/978,360A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: US 60/066,677  
; PRIOR FILING DATE: 1997-11-13

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; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 430
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -35..-1
US-09-978-360A-430

Query Match          46.8%; Score 44; DB 5; Length 406;
Best Local Similarity 46.7%; Pred. No. 5.3;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGKDPAPI 15
      |||:| : ||| :
Db      155 FSWNNITDSLDPATL 169

RESULT 3
US-10-131-826A-66
; Sequence 66, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
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; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 66
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-66

Query Match          46.8%; Score 44; DB 6; Length 406;
Best Local Similarity 46.7%; Pred. No. 5.3;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGKDPAPI 15
      |||:| : ||| :
Db      155 FSWNNITDSLDPATL 169

RESULT 4
US-10-131-826A-258
; Sequence 258, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
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; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 258
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-258

Query Match      46.8%; Score 44; DB 6; Length 406;
Best Local Similarity 46.7%; Pred. No. 5.3;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY      1 FSWDNCFEGKDPVAVI 15
      |||:| : ||| :
Db      155 FSWNNITDSLDPATL 169

RESULT 5
US-10-454-437-206
; Sequence 206, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128PCPN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 206
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-206

Query Match      43.1%; Score 40.5; DB 6; Length 246;
Best Local Similarity 34.6%; Pred. No. 12;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

QY      1 FSWDNCF-----EGKDPVAVI 15
      ||| |||
      :| | |
Db      151 FSWKNCLSEGGSHLPVHDGSDAVVI 176

US-10-454-437-206

Query Match      43.1%; Score 40.5; DB 6; Length 246;
Best Local Similarity 34.6%; Pred. No. 12;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

QY      1 FSWDNCF-----EGKDPVAVI 15
      ||| |||
      :| | |
Db      151 FSWKNCLSEGGSHLPVHDGSDAVVI 176
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RESULT 6
US-10-454-437-202
; Sequence 202, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128PCPN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 202
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-202

Query Match      43.1%; Score 40.5; DB 6; Length 422;
Best Local Similarity 34.6%; Pred. No. 20;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

QY      1 FSWDNCF-----EGKDPVAVI 15
      ||| |||
      :| | |
Db      145 FSWKNCLSEGGSHLPVHDGSDAVVI 170

RESULT 7
US-11-055-822-372
; Sequence 372, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; FILE REFERENCE: BGI-121PCPN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
```

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; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 372
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-372

Query Match          43.1%; Score 40.5; DB 7; Length 422;
Best Local Similarity 34.6%; Pred. No. 20;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

Qy      1 FSWDNCF-----EGKDPAVI 15
      |||||
Db      145 FSWKNCLSESGSHLPVHDGSDAVI 170

RESULT 8
US-10-793-626-2190
; Sequence 2190, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2190
; LENGTH: 304
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2190

Query Match          42.6%; Score 40; DB 6; Length 304;
Best Local Similarity 60.0%; Pred. No. 18;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      6 CFEGKDPAVI 15
      |||||
Db      180 CFSGKDPTKV 189

RESULT 9
US-10-512-340-43
; Sequence 43, Application US/10512340
; Publication No. US20050287521A1
; GENERAL INFORMATION:
; APPLICANT: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
; TITLE OF INVENTION: OLIGONUCLEOTIDES FROM SEQUENCES CODING FOR THE
; TITLE OF INVENTION: SURFACE COMPONENT OF PTLV ENVELOPE PROTEINS
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: IFB 02 BC CNR PTLV
```

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; CURRENT APPLICATION NUMBER: US/10/512,340
; CURRENT FILING DATE: 2004-10-22
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Human T-cell lymphotropic virus type 1
US-10-512-340-43

Query Match          42.6%; Score 40; DB 6; Length 308;
Best Local Similarity 33.3%; Pred. No. 18;
Matches 5; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

Qy      1 FSWDNCFEGKDPAVI 15
      |:|:|:|:|:|:|
Db      271 FNWTHCFDPQIQAIIV 285

RESULT 10
US-10-527-500-51
; Sequence 51, Application US/10527500
; Publication No. US20060004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Phlebotomus perniciosus
US-10-527-500-51

Query Match          42.0%; Score 39.5; DB 6; Length 388;
Best Local Similarity 57.1%; Pred. No. 28;
Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

Qy      1 FSWDN-CFEGKDPA 13
      ::|||
Db      25 YAWKNISFEGIDPA 38

RESULT 11
US-11-000-463-875
; Sequence 875, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
```



```
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 875
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-875
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Query Match 41.5%; Score 39; DB 7; Length 239;
Best Local Similarity 45.5%; Pred. No. 21;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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QY 2 SWDNCFEKGDP 12
:|:|||::|
Db 184 TWLSCFAGRNP 194
```

```
RESULT 12
US-11-000-463-876
; Sequence 876, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
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; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 876
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-876
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Query Match 41.5%; Score 39; DB 7; Length 239;
Best Local Similarity 45.5%; Pred. No. 21;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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QY 2 SWDNCFEKGDP 12
:|:|||::|
Db 184 TWLSCFAGRNP 194
```

```
RESULT 13
US-11-000-463-404
; Sequence 404, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 404
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-404
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Query Match 41.5%; Score 39; DB 7; Length 261;
Best Local Similarity 45.5%; Pred. No. 23;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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QY 2 SWDNCFEKGDP 12
:|:|||::|
Db 225 TWLSCFAGRNP 235
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RESULT 14
US-10-527-500-49
; Sequence 49, Application US/10527500
; Publication No. US20060004186A1
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; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 49
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Phlebotomus perniciosus
US-10-527-500-49
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Query Match 41.0%; Score 38.5; DB 6; Length 393;
Best Local Similarity 46.7%; Pred. No. 40;
Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;
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QY 1 FSWDN-CFECKDPAP 14
Db 25 YAKNISYEGVDPAL 39
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RESULT 15
US-11-098-765-2
; Sequence 2, Application US/11098765
; Publication No. US20050266446A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Ken-Shwo
; TITLE OF INVENTION: HUMAN ITPASE-R RELATED GENE VARIANTS ASSOCIATED WITH LUNG CANCERS
; FILE REFERENCE: U 015709-3
; CURRENT APPLICATION NUMBER: US/11/098,765
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 10/103,335
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-098-765-2
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Query Match 40.4%; Score 38; DB 7; Length 153;
Best Local Similarity 62.5%; Pred. No. 20;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
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QY 1 FSWDNCFE 8
Db 108 FGWDPCFQ 115
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Search completed: February 15, 2006, 09:32:50  
Job time : 2.84889 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:07:30 ; Search time 6.11556 Seconds  
(without alignments)  
216.303 Million cell updates/sec

Title: US-10-030-937-68  
Perfect score: 94  
Sequence: 1 FSWDNCFEKDPVIR 16  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/iaa/6\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/iaa/H\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/iaa/RE\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	85	90.4	178	2	US-09-183-841-2
2	85	90.4	193	2	US-09-183-841-1
3	44	46.8	406	2	US-09-599-360B-98
4	44	46.8	1765	2	US-09-270-767-45587
5	43	45.7	15	2	US-09-069-827A-129
6	43	45.7	590	1	US-08-756-317-12
7	43	45.7	619	2	US-09-489-039A-12704
8	42	44.7	119	2	US-09-270-767-47348
9	41	43.6	13	2	US-10-158-847-113
10	41	43.6	13	2	US-10-158-825-113
11	41	43.6	506	1	US-08-635-066-2
12	41	43.6	864	2	US-10-101-464A-896
13	41	43.6	956	2	US-09-252-991A-17124
14	40.5	43.1	246	2	US-09-602-777A-206
15	40.5	43.1	422	2	US-09-602-777A-202
16	40	42.6	19	1	US-08-469-615-18
17	40	42.6	19	1	US-08-466-763-18
18	40	42.6	19	1	US-08-411-142A-18
19	40	42.6	40	1	US-07-901-874B-5
20	40	42.6	40	1	US-08-457-865-5
21	40	42.6	304	2	US-09-710-279-2190
22	40	42.6	376	2	US-09-270-767-33947
23	40	42.6	376	2	US-09-270-767-49164
24	40	42.6	385	1	US-08-516-801-2
25	40	42.6	385	2	US-08-248-355-2
26	40	42.6	385	2	US-09-167-206-16
27	40	42.6	385	4	PCT-US95-06683-2

28	40	42.6	399	2	US-09-949-016-10810	Sequence 10810, A
29	40	42.6	415	2	US-09-134-001C-5077	Sequence 5077, Ap
30	40	42.6	488	1	US-07-672-483-1	Sequence 1, Appli
31	40	42.6	490	1	US-08-687-916-24	Sequence 24, Appl
32	40	42.6	490	2	US-09-138-614-24	Sequence 24, Appl
33	40	42.6	619	2	US-09-543-681A-5503	Sequence 5503, Ap
34	40	42.6	621	1	US-08-969-714-1	Sequence 1, Appli
35	40	42.6	645	1	US-08-969-714-3	Sequence 3, Appli
36	39	41.5	13	2	US-10-158-847-105	Sequence 105, App
37	39	41.5	13	2	US-10-158-825-105	Sequence 105, App
38	39	41.5	191	2	US-09-489-039A-12833	Sequence 12833, A
39	39	41.5	242	2	US-09-270-767-32046	Sequence 32046, A
40	39	41.5	364	2	US-09-338-671-2	Sequence 2, Appli
41	39	41.5	444	1	US-08-483-140-28	Sequence 28, Appl
42	39	41.5	444	1	US-08-485-938A-32	Sequence 32, Appl
43	39	41.5	658	2	US-09-328-599A-2	Sequence 2, Appli
44	39	41.5	795	2	US-09-031-563-23	Sequence 23, Appl
45	39	41.5	795	2	US-09-392-277-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1

US-09-183-841-2  
; Sequence 2, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: His tag at residues 1 to 17  
; OTHER INFORMATION: Description of Artificial Sequence: amino acid  
; OTHER INFORMATION: sequence of GM2 protein using His6 tag  
US-09-183-841-2

Query Match 90.4%; Score 85; DB 2; Length 178;  
Best Local Similarity 93.8%; Pred. No. 3.6e-06;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 FSWDNCFEKDPVIR 16

Db 19 FSWDNCDEGKDPVIR 34

RESULT 2

US-09-183-841-1  
; Sequence 1, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL

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; LOCATION: (33)..(55)
; FEATURE:
; OTHER INFORMATION: residues 56-63 are included in a further precursor
; OTHER INFORMATION: form of the protein
US-09-183-841-1

Query Match          90.4%; Score 85; DB 2; Length 193;
Best Local Similarity 93.8%; Pred. No. 3.9e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGKDPVAVIR 16
Db      34 FSWDNCDEGKDPVAVIR 49

RESULT 3
US-09-599-360B-98
; Sequence 98, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 98
; LENGTH: 406
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -35...-1
US-09-599-360B-98

Query Match          46.8%; Score 44; DB 2; Length 406;
Best Local Similarity 46.7%; Pred. No. 39;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGKDPAVI 15
Db      155 FSWNNITSLDPAVL 169

RESULT 4
US-09-270-767-45587
; Sequence 45587, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45587
; LENGTH: 1765
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45587
```

```

Query Match          46.8%; Score 44; DB 2; Length 1765;
Best Local Similarity 70.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      3 WDNCFEGKDP 12
Db      718 WSGFFEGKDP 727

RESULT 5
US-09-069-827A-129
; Sequence 129, Application US/09069827A
; Patent No. 6617114
; GENERAL INFORMATION:
; APPLICANT: FOWLKES, Dana M
; KAY, Brian K
; PRELINGER, Jeffrey A
; HYDE-DERUYSCHER, Robin P
; TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING
; COMPLEMENTARY COMBINATORIAL LIBRARIES
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
; STREET: 624 Ninth Street N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,827A
; FILING DATE: 30-Apr-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/050,359
; FILING DATE: 31-MAR-1998
; APPLICATION NUMBER: PCT/US97/19638
; FILING DATE: 31-OCT-1997
; APPLICATION NUMBER: US 08/740,671
; FILING DATE: 31-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: COOPER, Iver P
; REGISTRATION NUMBER: 28,005
; REFERENCE/DOCKET NUMBER: FOWLKES=4C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-09-069-827A-129

Query Match          45.7%; Score 43; DB 2; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.7;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 FSWDNCFEKGK 10
Db      6 FFWDGCFESR 15

RESULT 6
US-08-756-317-12
; Sequence 12, Application US/08756317
```

; Patent No. 5849894  
; GENERAL INFORMATION:  
; APPLICANT: Clemente, Thomas E.  
; APPLICANT: Kishore, Ganesh M.  
; APPLICANT: Mitsky, Timothy A.  
; APPLICANT: Stark, David M.  
; TITLE OF INVENTION: Improved Rhodospirillum Rubrum  
; TITLE OF INVENTION: Poly-B-Hydroxyalkanoate Synthase  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: TX  
; COUNTRY: USA  
; ZIP: 77210-4433  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/756,317  
; FILING DATE: 25-NOV-1996  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/007,693  
; FILING DATE: 29-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Patterson, Melinda L.  
; REGISTRATION NUMBER: 33,062  
; REFERENCE/DOCKET NUMBER: MOBT:008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (713) 787-1400  
; TELEFAX: (713) 787-1440  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 590 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; US-08-756-317-12

Query Match 45.7%; Score 43; DB 1; Length 590;  
Best Local Similarity 66.7%; Pred. No. 84;  
Matches 6; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY 3 WDNCFEGKD 11  
|||  
Db 486 WDTCFRGAD 494

RESULT 7  
US-09-489-039A-12704  
; Sequence 12704, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 12704  
; LENGTH: 619  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-12704

Query Match 45.7%; Score 43; DB 2; Length 619;

Best Local Similarity 50.0%; Pred. No. 88;  
Matches 7; Conservative 2; Mismatches 5; Indels 0; Gaps 0;  
QY 3 WDNCFEGKDPVAVIR 16  
|:| |:  
Db 478 WNTRSGEDPVAIR 491

RESULT 8  
US-09-270-767-47348  
; Sequence 47348, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 47348  
; LENGTH: 119  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-47348

Query Match 44.7%; Score 42; DB 2; Length 119;  
Best Local Similarity 50.0%; Pred. No. 22;  
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 WDNCFEGKDPVAV 14  
| | | | |  
Db 97 WRECFCFGFQPTI 108

RESULT 9  
US-10-158-847-113  
; Sequence 113, Application US/10158847  
; Patent No. 6592865  
; GENERAL INFORMATION:  
; APPLICANT: Tom Parry et al.  
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity  
; FILE REFERENCE: PF557  
; CURRENT APPLICATION NUMBER: US/10/158,847  
; CURRENT FILING DATE: 2002-06-03  
; PRIOR APPLICATION NUMBER: 60/295,004  
; PRIOR FILING DATE: 2001-06-04  
; NUMBER OF SEQ ID NOS: 158  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 113  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-158-847-113

Query Match 43.6%; Score 41; DB 2; Length 13;  
Best Local Similarity 66.7%; Pred. No. 3.1;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 FSWDNCFCFEG 9  
| | | | |  
Db 5 FDWDECFLG 13

RESULT 10  
US-10-158-825-113  
; Sequence 113, Application US/10158825  
; Patent No. 6900033  
; GENERAL INFORMATION:  
; APPLICANT: Tom Parry et al.  
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity  
; FILE REFERENCE: PF555  
; CURRENT APPLICATION NUMBER: US/10/158,825

; CURRENT FILING DATE: 2002-06-03  
; PRIOR APPLICATION NUMBER: 60/294,976  
; PRIOR FILING DATE: 2001-06-04  
; NUMBER OF SEQ ID NOS: 158  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 113  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-158-825-113

Query Match 43.6%; Score 41; DB 2; Length 13;  
Best Local Similarity 66.7%; Pred. No. 3.1;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 FSWDNCFEQ 9  
| | | | |  
Db 5 FDWDECFLG 13

RESULT 11  
US-08-635-066-2  
; Sequence 2, Application US/08635066  
; Patent No. 5945580  
; GENERAL INFORMATION:  
; APPLICANT: Dunsmuir, Pamela  
; APPLICANT: Harpster, Mark H.  
; TITLE OF INVENTION: Capsicum Hemicellulase Polynucleotides  
; TITLE OF INVENTION: and Polypeptides  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/635,066  
; FILING DATE: 19-APR-1996  
; CLASSIFICATION: 800  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M.  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 012176-005500  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 506 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-635-066-2

Query Match 43.6%; Score 41; DB 1; Length 506;  
Best Local Similarity 77.8%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 FSWDNCFEQ 9  
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Db 266 FSWDNKFAG 274

RESULT 12  
US-10-101-464A-896  
; Sequence 896, Application US/10101464A

; Patent No. 6768041  
; GENERAL INFORMATION:  
; APPLICANT: Strabala, Timothy  
; APPLICANT: Nieuwenhuizen, Nicolaas  
; APPLICANT: Higgins, Colleen M.  
; TITLE OF INVENTION: Compositions Isolated from Plant Cells  
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signaling  
; FILE REFERENCE: 11000.1020c2  
; CURRENT APPLICATION NUMBER: US/10/101.464A  
; CURRENT FILING DATE: 2002-03-18  
; PRIOR APPLICATION NUMBER: 09/704,302  
; PRIOR FILING DATE: 2000-11-01  
; PRIOR APPLICATION NUMBER: 09/228,986  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/162,866  
; PRIOR FILING DATE: 1999-11-01  
; PRIOR APPLICATION NUMBER: PCT/US00/00724  
; PRIOR FILING DATE: 2000-01-11  
; NUMBER OF SEQ ID NOS: 989  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 896  
; LENGTH: 864  
; TYPE: PRT  
; ORGANISM: Pinus radiata  
US-10-101-464A-896

Query Match 43.6%; Score 41; DB 2; Length 864;  
Best Local Similarity 58.3%; Pred. No. 2.7e+02;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 5 NCFEGKDPVIR 16  
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Db 402 NCFSGAIPSLIR 413

RESULT 13  
US-09-252-991A-17124  
; Sequence 17124, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 17124  
; LENGTH: 956  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-17124

Query Match 43.6%; Score 41; DB 2; Length 956;  
Best Local Similarity 66.7%; Pred. No. 3e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 4 DNCFEGKDP 12  
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Db 291 EHCFEHDP 299

RESULT 14  
US-09-602-777A-206  
; Sequence 206, Application US/09602777A  
; Patent No. 6831165  
; GENERAL INFORMATION:  
; APPLICANT: Pompejus, Markus  
; APPLICANT: Kroger, Burkhard

```
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CP
; CURRENT APPLICATION NUMBER: US/09/602,777A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
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; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932928.1
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932930.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932933.8
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932935.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932973.7
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933002.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933003.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933006.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941390.8
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941391.6
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942088.2
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 206
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-602-777A-206
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Query Match      43.1%; Score 40.5; DB 2; Length 246;
Best Local Similarity 34.6%; Pred. No. 85;
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;

QY      1 FSWDNCF-----EGKOPAVI 15
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Db      151 FSWKNCLSEGGSHLPVHDGSDAVI 176
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RESULT 15
US-09-602-777A-202
; Sequence 202, Application US/09602777A
; Patent No..6831165
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CP
; CURRENT APPLICATION NUMBER: US/09/602,777A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932924.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932928.1
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932930.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932933.8
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932935.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932973.7
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933002.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933003.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933006.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941390.8
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941391.6
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942088.2
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 202
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-602-777A-202
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Query Match 43.1%; Score 40.5; DB 2; Length 422;  
Best Local Similarity 34.6%; Pred. No. 1.5e+02;  
Matches 9; Conservative 1; Mismatches 5; Indels 11; Gaps 1;  
Qy 1 FSWDNCF-----EGKDPAVI 15  
Db 145 FSWKNCLSESGSHLPVHDGSDAWI 170

Search completed: February 15, 2006, 09:09:05  
Job time : 7.11556 secs

GenCore version 5.1.7  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 13:16:13 ; Search time 130.204 Seconds  
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Title: US-10-030-937-68  
Perfect score: 94  
Sequence: 1 FSWDNCFEKDPVIR 16

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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-TRANS=human40.cdi -LIST=45 -DOCLIGN=200 -THR SCORE=pct -THR MAX=100  
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0  
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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA\_Main:

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- 2: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
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- 7: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
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2	85	90.4	546	5	US-10-027-632-207799 Sequence 207799,
3	85	90.4	546	5	US-10-027-632-207800 Sequence 207800,
4	85	90.4	546	5	US-10-027-632-207801 Sequence 207801,
5	85	90.4	546	6	US-10-027-632-207798 Sequence 207798,
6	85	90.4	546	6	US-10-027-632-207799 Sequence 207799,
7	85	90.4	546	6	US-10-027-632-207800 Sequence 207800,

8	85	90.4	546	6	US-10-027-632-207801 Sequence 207801,
9	85	90.4	953	8	US-10-723-860-528 Sequence 528, App
10	85	90.4	1935	3	US-09-971-392-102 Sequence 102, App
11	85	90.4	2384	3	US-09-822-849A-53 Sequence 53, Appl
12	85	90.4	2436	3	US-09-954-531-380 Sequence 380, App
13	85	90.4	2436	3	US-09-525-978B-81 Sequence 81, Appl
14	85	90.4	2436	9	US-10-843-641A-1447 Sequence 1447, Ap
15	85	90.4	2471	9	US-10-450-763-711 Sequence 711, App
16	85	90.4	2478	6	US-10-170-385-390 Sequence 390, App
c 17	85	90.4	2498	9	US-10-450-763-16917 Sequence 16917, A
18	85	90.4	3988	8	US-10-723-860-5187 Sequence 5187, Ap
19	82	87.2	1983	6	US-10-388-934-167 Sequence 167, App
c 20	58	61.7	857	5	US-10-027-632-164063 Sequence 164063,
c 21	58	61.7	857	5	US-10-027-632-164064 Sequence 164064,
c 22	58	61.7	857	5	US-10-027-632-164065 Sequence 164065,
c 23	58	61.7	857	6	US-10-027-632-164063 Sequence 164063,
c 24	58	61.7	857	6	US-10-027-632-164064 Sequence 164064,
c 25	58	61.7	857	6	US-10-027-632-164065 Sequence 164065,
c 26	57	60.6	380	3	US-09-764-891-2290 Sequence 2290, Ap
27	57	60.6	577	6	US-10-264-049-436 Sequence 436, App
c 28	56	59.6	691	4	US-09-925-065A-77760 Sequence 77760, A
29	55	58.5	580	5	US-10-027-632-91348 Sequence 91348, A
30	55	58.5	580	5	US-10-027-632-317712 Sequence 317712,
31	55	58.5	580	6	US-10-027-632-91348 Sequence 91348, A
32	55	58.5	580	6	US-10-027-632-317712 Sequence 317712,
33	50.5	53.7	400660	8	US-10-388-838-68 Sequence 68, Appl
34	50	53.2	607	4	US-09-925-065A-803239 Sequence 803239,
35	50	53.2	2243	6	US-10-108-260A-301 Sequence 301, App
c 36	50	53.2	2367	7	US-10-267-502-81 Sequence 81, Appl
c 37	50	53.2	2367	10	US-11-097-143-30638 Sequence 30638, A
c 38	50	53.2	2452	6	US-10-094-749-87 Sequence 87, Appl
39	50	53.2	10386	10	US-11-097-143-30637 Sequence 30637, A
40	50	53.2	383432	9	US-10-737-082-34 Sequence 34, Appl
41	50	53.2	383432	9	US-10-765-730-34 Sequence 34, Appl
c 42	49.5	52.7	600	9	US-10-972-079-45839 Sequence 45839, A
c 43	49	52.1	568	4	US-09-925-065A-404283 Sequence 404283,
c 44	49	52.1	607	4	US-09-925-065A-315342 Sequence 315342,
45	49	52.1	653	5	US-10-027-632-121823 Sequence 121823,

ALIGNMENTS

RESULT 1

US-10-027-632-207798  
; Sequence 207798, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 207798  
; LENGTH: 546  
; TYPE: DNA  
; ORGANISM: Human

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US-10-027-632-207798
Alignment Scores:
Pred. No.:      2.45e-05      Length:      546
Score:          85.00      Matches:      15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%      Mismatches:  1
Query Match:    90.4%      Indels:      0
DB:             5      Gaps:      0

US-10-030-937-68 (1-16) x US-10-027-632-207798 (1-546)
Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
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Db      276 TTTTCCTGGGATAACTGTGATGAAGGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 2
US-10-027-632-207799
; Sequence 207799, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207799
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207799
Alignment Scores:
Pred. No.:      2.45e-05      Length:      546
Score:          85.00      Matches:      15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%      Mismatches:  1
Query Match:    90.4%      Indels:      0
DB:             5      Gaps:      0

US-10-030-937-68 (1-16) x US-10-027-632-207799 (1-546)
Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
      |||||||
Db      276 TTTTCCTGGGATAACTGTGATGAAGGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 3
US-10-027-632-207800
; Sequence 207800, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
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; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207800
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207800
Alignment Scores:
Pred. No.:      2.45e-05      Length:      546
Score:          85.00      Matches:      15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%      Mismatches:  1
Query Match:    90.4%      Indels:      0
DB:             5      Gaps:      0

US-10-030-937-68 (1-16) x US-10-027-632-207800 (1-546)
Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
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Db      276 TTTTCCTGGGATAACTGTGATGAAGGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 4
US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801
Alignment Scores:
Pred. No.:      2.45e-05      Length:      546
Score:          85.00      Matches:      15
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Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 90.4% Indels: 0  
DB: 5 Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207801 (1-546)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
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Db 276 TTTTCCTGGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 5

US-10-027-632-207798  
; Sequence 207798, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 207798  
; LENGTH: 546  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-207798

Alignment Scores:  
Pred. No.: 2.45e-05 Length: 546  
Score: 85.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 90.4% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207799 (1-546)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
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Db 276 TTTTCCTGGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 7

US-10-027-632-207800  
; Sequence 207800, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 207800  
; LENGTH: 546  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-207798

Alignment Scores:  
Pred. No.: 2.45e-05 Length: 546  
Score: 85.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 90.4% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-10-027-632-207798 (1-546)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
|||||  
Db 276 TTTTCCTGGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 6

US-10-027-632-207799  
; Sequence 207799, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 10827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20

Alignment Scores:  
Pred. No.: 2.45e-05 Length: 546  
Score: 85.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 90.4% Indels: 0  
DB: 6 Gaps: 0

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US-10-030-937-68 (1-16) x US-10-027-632-207800 (1-546)

Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      276 TTTTCCTGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 8
US-10-027-632-207801
; Sequence 207801, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207801
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207801

Alignment Scores:
Pred. No.:      2.45e-05      Length:      546
Score:          85.00      Matches:      15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%      Mismatches: 1
Query Match:    90.4%      Indels:      0
DB:              6      Gaps:      0

US-10-030-937-68 (1-16) x US-10-027-632-207801 (1-546)

Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      276 TTTTCCTGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 323

RESULT 9
US-10-723-860-528
; Sequence 528, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 528
; LENGTH: 953
; TYPE: DNA
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; ORGANISM: Homo sapiens
US-10-723-860-528

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Pred. No.:      4.56e-05      Length:      953
Score:          85.00      Matches:      15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%      Mismatches: 1
Query Match:    90.4%      Indels:      0
DB:              8      Gaps:      0

US-10-030-937-68 (1-16) x US-10-723-860-528 (1-953)

Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      190 TTTTCCTGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 237

RESULT 10
US-09-971-392-102
; Sequence 102, Application US/09971392
; Publication No. US20030134283A1
; GENERAL INFORMATION:
; APPLICANT: Peterson, David P.
; APPLICANT: Pearson, Cecelia I.
; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 102
; LENGTH: 1935
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 977615.8
US-09-971-392-102

Alignment Scores:
Pred. No.:      0.0001      Length:      1935
Score:          85.00      Matches:      15
Percent Similarity: 93.8%      Conservative: 0
Best Local Similarity: 93.8%      Mismatches: 1
Query Match:    90.4%      Indels:      0
DB:              3      Gaps:      0

US-10-030-937-68 (1-16) x US-09-971-392-102 (1-1935)

Qy      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      201 TTTTCCTGGATAACTGTGATGAAGGAAGGACCCCTGCGGTGATCAGA 248

RESULT 11
US-09-822-849A-53
; Sequence 53, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fectel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakar
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
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; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 2384
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-849A-53

Alignment Scores:
Pred. No.:          0.000127          Length:          2384
Score:              85.00             Matches:          15
Percent Similarity: 93.8%             Conservative:     0
Best Local Similarity: 93.8%           Mismatches:       1
Query Match:        90.4%             Indels:           0
DB:                 3                 Gaps:            0

US-10-030-937-68 (1-16) x US-09-822-849A-53 (1-2384)

QY      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      112 TTTTCTGGGATAACTGTGATGAAGGAAGGACCTGCGGTGATCAGA 159

RESULT 12
US-09-954-531-380
; Sequence 380, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 380
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-380

Alignment Scores:
Pred. No.:          0.00013          Length:          2436
Score:              85.00             Matches:          15
Percent Similarity: 93.8%             Conservative:     0
Best Local Similarity: 93.8%           Mismatches:       1
Query Match:        90.4%             Indels:           0
DB:                 3                 Gaps:            0

US-10-030-937-68 (1-16) x US-09-954-531-380 (1-2436)

QY      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      158 TTTTCTGGGATAACTGTGATGAAGGAAGGACCTGCGGTGATCAGA 205

RESULT 13
US-09-525-978B-81
; Sequence 81, Application US/09525978B
; Publication No. US2003004972A1
; GENERAL INFORMATION:
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; APPLICANT: Murray, Richard
; APPLICANT: Caras, Ingrid W.
; APPLICANT: Hevezi, Peter
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT
; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF
; TITLE OF INVENTION: SCREENING-FOR MACROPHAGE DEVELOPMENT MODULATORS
; FILE REFERENCE: A-67413-1/DJB/JJD
; CURRENT APPLICATION NUMBER: US/09/525,978B
; CURRENT FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: USSN 60/124,530
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-525-978B-81

Alignment Scores:
Pred. No.:          0.00013          Length:          2436
Score:              85.00             Matches:          15
Percent Similarity: 93.8%             Conservative:     0
Best Local Similarity: 93.8%           Mismatches:       1
Query Match:        90.4%             Indels:           0
DB:                 3                 Gaps:            0

US-10-030-937-68 (1-16) x US-09-525-978B-81 (1-2436)

QY      1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
Db      158 TTTTCTGGGATAACTGTGATGAAGGAAGGACCTGCGGTGATCAGA 205

RESULT 14
US-10-843-641A-1447
; Sequence 1447, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447
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Alignment Scores:  
Pred. No.: 0.00013 Length: 2436  
Score: 85.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 90.4% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-68 (1-16) x US-10-843-641A-1447 (1-2436)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
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Db 158 TTTTCCTGGGATAACTGTGATGAAGGAGGACCCCTGCGGTGATCAGA 205

RESULT 15  
US-10-450-763-711  
; Sequence 711, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 711  
; LENGTH: 2471  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIMILAR  
; LOCATION: (93)..(671)  
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator  
; OTHER INFORMATION: protein, accession number M76477, Smith-Waterman Score=1017.  
US-10-450-763-711

Alignment Scores:  
Pred. No.: 0.000132 Length: 2471  
Score: 85.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 90.4% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-68 (1-16) x US-10-450-763-711 (1-2471)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
|||||  
Db 192 TTTTCCTGGGATAACTGTGATGAAGGAGGACCCCTGCGGTGATCAGA 239



GenCore version 5.1.7  
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Perfect score: 94  
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Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

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- 12: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq4:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	56	59.6	691	6 US-09-925-065A-77760 Sequence 77760, A
3	50	53.2	607	6 US-09-925-065A-803239 Sequence 803239,
4	50	53.2	2286	8 US-10-750-185-48203 Sequence 48203, A

5	50	53.2	2286	8	US-10-750-623-48203	Sequence 48203, A
6	49	52.1	568	6	US-09-925-065A-404283	Sequence 404283,
7	49	52.1	607	6	US-09-925-065A-315342	Sequence 315342,
8	49	52.1	980	6	US-09-925-065A-31409	Sequence 31409, A
9	49	52.1	1168	8	US-10-750-185-29302	Sequence 29302, A
10	49	52.1	1168	8	US-10-750-623-29302	Sequence 29302, A
11	49	52.1	6629	8	US-10-955-054A-149	Sequence 149, App
12	48	51.1	50	12	US-11-175-859-75542	Sequence 75542, A
13	48	51.1	594	6	US-09-925-065A-942407	Sequence 942407,
14	48	51.1	594	6	US-09-925-065A-942408	Sequence 942408,
15	48	51.1	614	6	US-09-925-065A-448991	Sequence 448991,
16	48	51.1	652	6	US-09-925-065A-913395	Sequence 913395,
17	48	51.1	660	6	US-09-925-065A-906972	Sequence 906972,
18	48	51.1	663	6	US-09-925-065A-904642	Sequence 904642,
19	48	51.1	665	6	US-09-925-065A-902117	Sequence 902117,
20	47	50.0	598	6	US-09-925-065A-903085	Sequence 903085,
21	47	50.0	605	6	US-09-925-065A-13534	Sequence 13534, A
22	47	50.0	605	6	US-09-925-065A-13535	Sequence 13535, A
23	47	50.0	2587	8	US-10-750-185-55252	Sequence 55252, A
24	47	50.0	2587	8	US-10-750-623-55252	Sequence 55252, A
25	47	50.0	3173	8	US-10-750-185-50135	Sequence 50135, A
26	47	50.0	3173	8	US-10-750-623-50135	Sequence 50135, A
27	46	48.9	569	6	US-09-925-065A-302844	Sequence 302844,
28	46	48.9	610	6	US-09-925-065A-377261	Sequence 377261,
29	46	48.9	642	6	US-09-925-065A-680338	Sequence 680338,
30	46	48.9	642	6	US-09-925-065A-680339	Sequence 680339,
31	45.5	48.4	2591	8	US-10-750-185-31204	Sequence 31204, A
32	45.5	48.4	2591	8	US-10-750-623-31204	Sequence 31204, A
33	45	47.9	398	6	US-09-925-065A-8271	Sequence 8271, Ap
34	45	47.9	398	6	US-09-925-065A-8272	Sequence 8272, Ap
35	45	47.9	552	6	US-09-925-065A-20851	Sequence 20851, A
36	45	47.9	552	6	US-09-925-065A-20852	Sequence 20852, A
37	45	47.9	560	6	US-09-925-065A-321539	Sequence 321539,
38	45	47.9	571	6	US-09-925-065A-377353	Sequence 377353,
39	45	47.9	571	6	US-09-925-065A-377354	Sequence 377354,
40	45	47.9	612	6	US-09-925-065A-951333	Sequence 951333,
41	45	47.9	618	6	US-09-925-065A-856812	Sequence 856812,
42	45	47.9	622	6	US-09-925-065A-458996	Sequence 458996,
43	45	47.9	622	6	US-09-925-065A-458997	Sequence 458997,
44	45	47.9	622	6	US-09-925-065A-458998	Sequence 458998,
45	45	47.9	622	6	US-09-925-065A-458999	Sequence 458999,

ALIGNMENTS

RESULT 1  
US-10-821-234-310  
; Sequence 310, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_SEQ\_genes Version 1.0  
; SEQ ID NO 310  
; LENGTH: 2471  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-821-234-310

Alignment Scores:  
Pred. No.: 0.000215 Length: 2471  
Score: 85.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1

```

Query Match:      90.4%      Indels:      0
DB:               8         Gaps:      0

US-10-030-937-68 (1-16) x US-10-821-234-310 (1-2471)

Qy      1  PheSerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
      |||||
Db      195 TTTTCCTGGGATAACTGTGATGAAGGAAGGACCCTGCGGTGATCAGA 242

RESULT 2
US-09-925-065A-77760/c
; Sequence 77760, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 77760
; LENGTH: 691
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-77760

Alignment Scores:
Pred. No.:      5.74      Length:      691
Score:          56.00      Matches:      8
Percent Similarity: 78.6%      Conservative: 3
Best Local Similarity: 57.1%      Mismatches: 3
Query Match:    59.6%      Indels:      0
DB:             6         Gaps:      0

US-10-030-937-68 (1-16) x US-09-925-065A-77760 (1-691)

Qy      3  TrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16
      |||||
Db      540 TGGGACAATGTTATGACGAAGGAAGAAAGGTGTCCATGAGA 499

RESULT 3
US-09-925-065A-803239
; Sequence 803239, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
```

```

; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 803239
; LENGTH: 607
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-803239

Alignment Scores:
Pred. No.:      55.3      Length:      607
Score:          50.00      Matches:      7
Percent Similarity: 88.9%      Conservative: 1
Best Local Similarity: 77.8%      Mismatches: 1
Query Match:    53.2%      Indels:      0
DB:             6         Gaps:      0

US-10-030-937-68 (1-16) x US-09-925-065A-803239 (1-607)

Qy      3  TrpAspAsnCysPheGluGlyLysAsp 11
      |||||
Db      97 TGGGATACATGTTTGAAGGAGAGGAC 123

RESULT 4
US-10-750-185-48203
; Sequence 48203, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48203
; LENGTH: 2286
; TYPE: DNA
; ORGANISM: Bovine 19866880975467
US-10-750-185-48203

Alignment Scores:
Pred. No.:      260      Length:      2286
Score:          50.00      Matches:      7
Percent Similarity: 69.2%      Conservative: 2
Best Local Similarity: 53.8%      Mismatches: 4
Query Match:    53.2%      Indels:      0
DB:             8         Gaps:      0

US-10-030-937-68 (1-16) x US-10-750-185-48203 (1-2286)

Qy      3  TrpAspAsnCysPheGluGlyLysAspProAlaValIle 15
      |||||
Db      2216 TGGGACAAACAGCTTTTAAACAACAGAGATCCACAGTAGTT 2254

RESULT 5
US-10-750-623-48203
; Sequence 48203, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
```

```
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 48203
; LENGTH: 2286
; TYPE: DNA
; ORGANISM: Bovine 19866880975467
US-10-750-623-48203

Alignment Scores:
Pred. No.:      260      Length:      2286
Score:          50.00    Matches:      7
Percent Similarity: 69.2% Conservative: 2
Best Local Similarity: 53.8% Mismatches: 4
Query Match:    53.2%   Indels:      0
DB:             8      Gaps:        0

US-10-030-937-68 (1-16) x US-10-750-623-48203 (1-2286)

Qy      3 TrpAspAsnCysPheGluGlyLysAspProAlaValIle 15
      ||||| ||| :||| ||| :|:|
Db      2216 TGGACAACAGCTTTAAACAACAGAGATCCACAGTAGTT 2254

RESULT 6
US-09-925-065A-404283/c
; Sequence 404283, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 404283
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-404283

Alignment Scores:
Pred. No.:      76.5      Length:      568
Score:          49.00    Matches:      8
Percent Similarity: 75.0% Conservative: 1
Best Local Similarity: 66.7% Mismatches: 3
Query Match:    52.1%   Indels:      0
DB:             6      Gaps:        0

US-10-030-937-68 (1-16) x US-09-925-065A-404283 (1-568)

Qy      2 SerTrpAspAsnCysPheGluGlyLysAspProAla 13
      ||||| ||||| ||||| |||||
Db      432 AGCTGGAAGCAGCTCTTTGAAGGCAGACCCAGCA 397

RESULT 7
```

```
US-09-925-065A-315342/c
; Sequence 315342, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 315342
; LENGTH: 607
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-315342

Alignment Scores:
Pred. No.:      82.7      Length:      607
Score:          49.00    Matches:      8
Percent Similarity: 80.0% Conservative: 0
Best Local Similarity: 80.0% Mismatches: 2
Query Match:    52.1%   Indels:      0
DB:             6      Gaps:        0

US-10-030-937-68 (1-16) x US-09-925-065A-315342 (1-607)

Qy      1 PheSerTrpAspAsnCysPheGluGlyLys 10
      ||||| ||||| ||||| |||||
Db      179 TTCTCTTGGACAACACTGTATGGAATGAAA 150

RESULT 8
US-09-925-065A-31409/c
; Sequence 31409, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31409
; LENGTH: 980
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-31409

Alignment Scores:
Pred. No.:      145      Length:      980
```

```
Score: 49.00 Matches: 8
Percent Similarity: 75.0% Conservative: 1
Best Local Similarity: 66.7% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-31409 (1-980)

Qy 2 SerTrpAspAsnCysPheGluGlyLysAspProAla 13
Db 914 AGCTGGAAGCAGCTCTTTGAAGGCAGAGACCCAGCA 879

RESULT 9
US-10-750-185-29302
; Sequence 29302, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29302
; LENGTH: 1168
; TYPE: DNA
; ORGANISM: Bovine 19866881272417
US-10-750-185-29302

Alignment Scores:
Pred. No.: 178 Length: 1168
Score: 49.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-750-185-29302 (1-1168)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspPro 12
Db 701 TTCCCGTGGGATGACTGTTTCAGAAAGGGCAGAGCCA 736

RESULT 10
US-10-750-623-29302
; Sequence 29302, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29302
```

```
; LENGTH: 1168
; TYPE: DNA
; ORGANISM: Bovine 19866881272417
US-10-750-623-29302

Alignment Scores:
Pred. No.: 178 Length: 1168
Score: 49.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 52.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-750-623-29302 (1-1168)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspPro 12
Db 701 TTCCCGTGGGATGACTGTTTCAGAAAGGGCAGAGCCA 736

RESULT 11
US-10-955-054A-149/c
; Sequence 149, Application US/10955054A
; Publication No. US20050266420A1
; GENERAL INFORMATION:
; APPLICANT: PUSZTAI, LAJOS
; APPLICANT: SYMMANS, W. FRASER
; APPLICANT: HESS, KENNETH R.
; APPLICANT: AYERS, MARK
; APPLICANT: STEC, JAMES
; TITLE OF INVENTION: MULTIGENE PREDICTORS OF RESPONSE TO CHEMOTHERAPY
; FILE REFERENCE: UTXC:880US
; CURRENT APPLICATION NUMBER: US/10/955,054A
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 149
; LENGTH: 6629
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-955-054A-149

Alignment Scores:
Pred. No.: 1.35e+03 Length: 6629
Score: 49.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 52.1% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-68 (1-16) x US-10-955-054A-149 (1-6629)

Qy 1 PheSerTrpAspAsnCysPheGluGlyLysAspProAla 13
Db 3202 TTCTGCTGGGATTCCTGTTCTCTGGAAGCCGTCGTGCT 3164

RESULT 12
US-11-175-859-75542
; Sequence 75542, Application US/11175859
; Publication No. US20060024715A1
; GENERAL INFORMATION:
; APPLICANT: Affymetrix, Inc.
; APPLICANT: Liu, Guoying et al.
; TITLE OF INVENTION: Method of Analysis of Human Polymorphism
; FILE REFERENCE: 3690.1
; CURRENT APPLICATION NUMBER: US/11/175,859
; CURRENT FILING DATE: 2005-07-05
; PRIOR APPLICATION NUMBER: US 60/585,352
; PRIOR FILING DATE: 2004-07-02
; NUMBER OF SEQ ID NOS: 116251
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75542
; LENGTH: 50
; TYPE: DNA
```

```
; ORGANISM: homo sapien
US-11-175-859-75542

Alignment Scores:
Pred. No.: 6.69 Length: 50
Score: 48.00 Matches: 7
Percent Similarity: 77.8% Conservative: 0
Best Local Similarity: 77.8% Mismatches: 2
Query Match: 51.1% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-68 (1-16) x US-11-175-859-75542 (1-50)

QY 1 PheSerTrpAspAsnCysPheGluGly 9
Db 12 TTTTCTGGGATAAAYTGCTTTAGAGGA 38

RESULT 13
US-09-925-065A-942407/c
; Sequence 942407, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942407

Alignment Scores:
Pred. No.: 121 Length: 594
Score: 48.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-942407 (1-594)

QY 6 CysPheGluGlyLysAspProAla 13
Db 112 TGCTTTGAAGGGAAGGACCCAGCC 89

RESULT 14
US-09-925-065A-942408/c
; Sequence 942408, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942407
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-448991

Alignment Scores:
Pred. No.: 125 Length: 614
Score: 48.00 Matches: 7
Percent Similarity: 83.3% Conservative: 3
Best Local Similarity: 58.3% Mismatches: 2
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-448991 (1-614)

QY 5 AsnCysPheGluGlyLysAspProAlaValIleArg 16
Db 452 CACTGCCTTGAAGGGAAGGACCCAGTCCTGTGTGAGA 487
```

```
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 942408
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-942408

Alignment Scores:
Pred. No.: 121 Length: 594
Score: 48.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-942408 (1-594)

QY 6 CysPheGluGlyLysAspProAla 13
Db 112 TGCTTTGAAGGGAAGGACCCAGCC 89

RESULT 15
US-09-925-065A-448991
; Sequence 448991, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 448991
; LENGTH: 614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-448991

Alignment Scores:
Pred. No.: 125 Length: 614
Score: 48.00 Matches: 7
Percent Similarity: 83.3% Conservative: 3
Best Local Similarity: 58.3% Mismatches: 2
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-68 (1-16) x US-09-925-065A-448991 (1-614)

QY 5 AsnCysPheGluGlyLysAspProAlaValIleArg 16
Db 452 CACTGCCTTGAAGGGAAGGACCCAGTCCTGTGTGAGA 487
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Search completed: February 16, 2006, 14:26:57  
Job time : 235.951 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 12:57:39 ; Search time 20.9067 Seconds  
(without alignments)  
1360.379 Million cell updates/sec

Title: US-10-030-937-68  
Perfect score: 94  
Sequence: 1 FSWDNCFEKDPVIR 16

Scoring table: BLOSUM62  
Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:  
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-Q=/abss/ABSSWEB spool/US10030937/runat 15022006 055700 6000/app query.fasta\_1  
-DB=Issued\_Patents\_NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPL=0  
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosu62 -TRANS=human40.cdi  
-LIST=45 -DOCLIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15  
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000  
-HOST=abss05p -USER=US10030937 @CGN 1 1 427 @runat 15022006 055700 6000  
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:  
1: /cgn2\_6/ptodata/1/ina/1 COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5 COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/H COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/PP COMB.seq:\*  
7: /cgn2\_6/ptodata/1/ina/PP COMB.seq:\*  
8: /cgn2\_6/ptodata/1/ina/RE COMB.seq:\*  
9: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
C 1	53	56.4	35417	3	US-09-949-016-16129 Sequence 16129, A
C 2	53	56.4	49052	3	US-09-949-016-12203 Sequence 12203, A
C 3	51	54.3	561	3	US-09-489-039A-2692 Sequence 2692, Ap
4	50.5	53.7	45197	3	US-09-949-016-16208 Sequence 16208, A
5	50.5	53.7	254405	3	US-09-949-016-14381 Sequence 14381, A
C 6	49	52.1	240157	3	US-09-949-016-16264 Sequence 16264, A
7	48	51.1	4200	2	US-07-841-654B-1 Sequence 1, Appli
8	48	51.1	4200	2	US-07-946-234A-1 Sequence 1, Appli
9	48	51.1	4200	2	US-08-123-161A-1 Sequence 1, Appli

10	48	51.1	4200	2	US-08-483-278-1	Sequence 1, Appli
11	48	51.1	4200	6	PCT-US93-01560-1	Sequence 1, Appli
C 12	47	50.0	3647	3	US-09-949-016-2641	Sequence 2641, Ap
C 13	47	50.0	54950	3	US-09-949-016-14383	Sequence 14383, A
14	46.5	49.5	12416	3	US-09-949-016-12000	Sequence 12000, A
15	46.5	49.5	12418	3	US-09-949-016-16170	Sequence 16170, A
C 16	46	48.9	6409	3	US-09-967-908A-1	Sequence 1, Appli
C 17	46	48.9	6409	3	US-10-159-151-1	Sequence 1, Appli
18	46	48.9	17644	3	US-09-949-016-16342	Sequence 16342, A
19	46	48.9	17645	3	US-09-949-016-11805	Sequence 11805, A
20	46	48.9	17645	3	US-09-949-016-14188	Sequence 14188, A
21	46	48.9	44019	3	US-09-949-016-14902	Sequence 14902, A
C 22	46	48.9	640681	3	US-09-790-988-1	Sequence 1, Appli
23	45	47.9	3585	3	US-09-697-206A-1	Sequence 1, Appli
24	45	47.9	3940	3	US-09-976-594-573	Sequence 573, App
25	45	47.9	28720	3	US-09-341-587-7	Sequence 7, Appli
26	45	47.9	42975	3	US-09-949-016-11965	Sequence 11965, A
27	45	47.9	115814	3	US-09-949-016-16205	Sequence 16205, A
28	45	47.9	218940	3	US-09-949-016-17539	Sequence 17539, A
C 29	45	47.9	275110	3	US-09-949-016-12706	Sequence 12706, A
C 30	45	47.9	275110	3	US-09-949-016-16070	Sequence 16070, A
31	45	47.9	1230025	3	US-09-198-452A-1	Sequence 1, Appli
32	45	47.9	1230230	3	US-09-438-185A-1	Sequence 1, Appli
33	44	46.8	601	3	US-09-949-016-25462	Sequence 25462, A
34	44	46.8	601	3	US-09-949-016-25463	Sequence 25463, A
35	44	46.8	601	3	US-09-949-016-25464	Sequence 25464, A
36	44	46.8	601	3	US-09-949-016-25465	Sequence 25465, A
37	44	46.8	601	3	US-09-949-016-25466	Sequence 25466, A
38	44	46.8	601	3	US-09-949-016-48513	Sequence 48513, A
39	44	46.8	601	3	US-09-949-016-73632	Sequence 73632, A
40	44	46.8	601	3	US-09-949-016-73633	Sequence 73633, A
41	44	46.8	601	3	US-09-949-016-73634	Sequence 73634, A
42	44	46.8	601	3	US-09-949-016-73635	Sequence 73635, A
43	44	46.8	601	3	US-09-949-016-73636	Sequence 73636, A
44	44	46.8	1622	3	US-09-599-360B-48	Sequence 48, Appl
45	44	46.8	3271	3	US-09-548-797B-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-949-016-16129/c  
; Sequence 16129, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16129  
; LENGTH: 35417  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-16129

Alignment Scores:  
Pred. No.: 285  
Score: 53.00  
Percent Similarity: 66.7%  
Best Local Similarity: 60.0%  
Query Match: 56.4%  
DB: 3  
Length: 35417  
Matches: 9  
Conservative: 1  
Mismatches: 5  
Indels: 0  
Gaps: 0



US-10-030-937-68 (1-16) x US-09-949-016-16129 (1-35417)  
Qy 2 SerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
Db 29345 AGCTGGGACAAATGCCTTGAAGGAAAAGGACAGAATGTTCTGAGG 29301

RESULT 2  
US-09-949-016-12203/c  
; Sequence 12203, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12203  
; LENGTH: 49052  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-12203

Alignment Scores:  
Pred. No.: 419 Length: 49052  
Score: 53.00 Matches: 9  
Percent Similarity: 66.7% Conservative: 1  
Best Local Similarity: 60.0% Mismatches: 5  
Query Match: 56.4% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-68 (1-16) x US-09-949-016-12203 (1-49052)  
Qy 2 SerTrpAspAsnCysPheGluGlyLysAspProAlaValIleArg 16  
Db 42980 AGCTGGGACAAATGCCTTGAAGGAAAAGGACAGAATGTTCTGAGG 42936

RESULT 3  
US-09-489-039A-2692  
; Sequence 2692, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 2692  
; LENGTH: 561  
; TYPE: DNA  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-2692

Alignment Scores:  
Pred. No.: 484 Length: 561  
Score: 51.00 Matches: 10  
Percent Similarity: 55.0% Conservative: 1  
Best Local Similarity: 50.0% Mismatches: 3  
Query Match: 54.3% Indels: 6  
DB: 3 Gaps: 1

US-10-030-937-68 (1-16) x US-09-489-039A-2692 (1-561)  
Qy 3 TrpAspAsnCysPheGluGly-----LysAspProAlaValIleArg 16  
Db 138 TGGGATAAATGTTTGAAGTCTCATCTTACCGCGTTAAGCGGCTGTGGTCTCTCCGG 197

RESULT 4  
US-09-949-016-16208  
; Sequence 16208, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16208  
; LENGTH: 45197  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(45197)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-16208

Alignment Scores:  
Pred. No.: 1.07e+03 Length: 45197  
Score: 50.50 Matches: 9  
Percent Similarity: 50.0% Conservative: 4  
Best Local Similarity: 34.6% Mismatches: 2  
Query Match: 53.7% Indels: 11  
DB: 3 Gaps: 1

US-10-030-937-68 (1-16) x US-09-949-016-16208 (1-45197)  
Qy 1 PheSerTrp-----AspAsnCysPheGluGly 9  
Db 1571 TTCTCCTGGCATTTTATGCTAAACATAAGCCTCAGCAGCGAAGACAATTGCTACCGGGG 1630

US-09-949-016-14381  
Qy 10 LysAspProAlaValIle 15  
Db 1631 AAATAACCTTCAATTGTG 1648

RESULT 5  
US-09-949-016-14381  
; Sequence 14381, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14381

US-10-030-937-68 (1-16) x US-09-949-016-16208 (1-45197)  
Qy 1 PheSerTrp-----AspAsnCysPheGluGly 9  
Db 1571 TTCTCCTGGCATTTTATGCTAAACATAAGCCTCAGCAGCGAAGACAATTGCTACCGGGG 1630

US-09-949-016-14381  
Qy 10 LysAspProAlaValIle 15  
Db 1631 AAATAACCTTCAATTGTG 1648

RESULT 5  
US-09-949-016-14381  
; Sequence 14381, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14381

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; LENGTH: 254405
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14381

Alignment Scores:
Pred. No.:      8.21e+03      Length:      254405
Score:          50.50      Matches:      10
Percent Similarity: 68.4%      Conservative: 3
Best Local Similarity: 52.6%      Mismatches: 3
Query Match:      53.7%      Indels:      3
DB:              3      Gaps:      1

US-10-030-937-68 (1-16) x US-09-949-016-14381 (1-254405)

QY 1 PheSerTrpAsp-----AaNCysPheGluGlyLysAspProAlaValIleArg 16
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Db 45072 TTCTCTGGCAGATGATTCTCTGTTTCGAAGAAAAAACCCAGAGTTTAAAGA 45128

RESULT 6
US-09-949-016-16264/c
; Sequence 16264, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16264
; LENGTH: 240157
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(240157)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16264

Alignment Scores:
Pred. No.:      1.42e+04      Length:      240157
Score:          49.00      Matches:      7
Percent Similarity: 84.6%      Conservative: 4
Best Local Similarity: 53.8%      Mismatches: 2
Query Match:      52.1%      Indels:      0
DB:              3      Gaps:      0

US-10-030-937-68 (1-16) x US-09-949-016-16264 (1-240157)

QY 1 PheSerTrpAspAaNCysPheGluGlyLysAspProAla 13
   |||||
Db 80562 TTTCCTGGCCAGCTGCTTCRAAGGCAGATATCCCTCA 80524

RESULT 7
US-07-841-654B-1
; Sequence 1, Application US/07841654B
; Patent No. 5260209
; GENERAL INFORMATION:
; APPLICANT: Campbell, Kevin P.
; APPLICANT: Ibraghimov-Beskrovnaya, Oxana
; APPLICANT: Ervasti, James M.
; APPLICANT: Leveille, Cynthia J.
; APPLICANT: Matsumura, Kiichiro
; TITLE OF INVENTION: DNA ENCODING DYSTROPHIN-ASSOCIATED
```

```
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/841,654B
; FILING DATE: 19920220
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: UIRF89-11AA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 861-6240
; TELEFAX: 617 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4200 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 170..2855
US-07-841-654B-1

Alignment Scores:
Pred. No.:      180      Length:      4200
Score:          48.00      Matches:      7
Percent Similarity: 75.0%      Conservative: 2
Best Local Similarity: 58.3%      Mismatches: 3
Query Match:      51.1%      Indels:      0
DB:              2      Gaps:      0

US-10-030-937-68 (1-16) x US-07-841-654B-1 (1-4200)

QY 3 TrpAspAaNCysPheGluGlyLysAspProAlaVal 14
   |||||
Db 73 TGGAGCAGGTGTGTCAGAGGGTGAGGACCCGGCTCTG 108

RESULT 8
US-07-946-234A-1
; Sequence 1, Application US/07946234A
; Patent No. 5308752
; GENERAL INFORMATION:
; APPLICANT: Campbell, Kevin P.
; APPLICANT: Matsumura, Kiichiro
; TITLE OF INVENTION: DIAGNOSIS OF AUTOSOMAL MUSCULAR DYSTROPHY
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS
; STREET: 2 Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/07/946,234A  
FILING DATE: 19920914  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brook, David E.  
REGISTRATION NUMBER: 22,592  
REFERENCE/DOCKET NUMBER: UIRF89-11AAA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)861-6240  
TELEFAX: (617)861-9540  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4200 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 170..2855  
US-07-946-234A-1

Alignment Scores:  
Pred. No.: 180 Length: 4200  
Score: 48.00 Matches: 7  
Percent Similarity: 75.0% Conservative: 2  
Best Local Similarity: 58.3% Mismatches: 3  
Query Match: 51.1% Indels: 0  
DB: 2 Gaps: 0

US-10-030-937-68 (1-16) x US-07-946-234A-1 (1-4200)

Qy 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14  
Db 73 TGGAGCAGGTGTGCAGAGGGTGAGGACCCGGCTCTG 108

RESULT 9

US-08-123-161A-1  
Sequence 1, Application US/08123161A  
Patent No. 5449616  
GENERAL INFORMATION:  
APPLICANT: Campbell, Kevin P.  
APPLICANT: Roberts, Steven L.  
APPLICANT: Anderson, Richard D.  
APPLICANT: Ibraghimov, Oxana B.  
APPLICANT: Yang, Bin  
TITLE OF INVENTION: NUCLEIC ACID ENCODING DYSTROPHIN-ASSOCIATED  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kevin M. Farrell, P.C.  
STREET: P.O. Box 999  
CITY: York Harbor  
STATE: ME  
COUNTRY: USA  
ZIP: 03911  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/123,161A  
FILING DATE: 16-SEP-93  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/946,234  
FILING DATE: 14-SEP-92  
ATTORNEY/AGENT INFORMATION:  
NAME: Farrell, Kevin M.  
REGISTRATION NUMBER: 35,505  
REFERENCE/DOCKET NUMBER: UIRF89-11A4  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (207) 363-0558  
TELEFAX: (207) 363-0528  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4200 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 170..2855  
US-08-123-161A-1  
Alignment Scores:  
Pred. No.: 180 Length: 4200  
Score: 48.00 Matches: 7  
Percent Similarity: 75.0% Conservative: 2  
Best Local Similarity: 58.3% Mismatches: 3  
Query Match: 51.1% Indels: 0  
DB: 2 Gaps: 0

US-10-030-937-68 (1-16) x US-08-123-161A-1 (1-4200)

Qy 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14  
Db 73 TGGAGCAGGTGTGCAGAGGGTGAGGACCCGGCTCTG 108

RESULT 10

US-08-483-278-1  
Sequence 1, Application US/08483278  
Patent No. 5686073  
GENERAL INFORMATION:  
APPLICANT: Campbell, Kevin P.  
APPLICANT: Ibraghimov, Oxana B.  
APPLICANT: Ervasti, James M.  
APPLICANT: Leveille, Cynthia J.  
TITLE OF INVENTION: NUCLEIC ACID ENCODING DYSTROPHIN-ASSOCIATED  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kevin M. Farrell, P.C.  
STREET: P.O. Box 999  
CITY: York Harbor  
STATE: ME  
COUNTRY: USA  
ZIP: 03911  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/483,278  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/123,161  
FILING DATE: 16-SEP-93  
ATTORNEY/AGENT INFORMATION:  
NAME: Farrell, Kevin M.  
REGISTRATION NUMBER: 35,505  
REFERENCE/DOCKET NUMBER: UIRF89-11A5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (207) 363-0558  
TELEFAX: (207) 363-0528  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4200 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA

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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 170..2855
US-08-483-278-1
Alignment Scores:
Pred. No.: 180 Length: 4200
Score: 48.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 51.1% Indels: 0
DB: 2 Gaps: 0

US-10-030-937-68 (1-16) x US-08-483-278-1 (1-4200)
QY 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14
Db 73 TGGAGCAGGTGTGCAGAGGGTGGAGACCCGGCTCTG 108

RESULT 11
PCT-US93-01560-1
; Sequence 1, Application PC/TUS9301560
; GENERAL INFORMATION:
; APPLICANT: University of Iowa Research Foundation
; TITLE OF INVENTION: DNA ENCODING DYSTROPHIN-ASSOCIATED
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM: Floppy disk
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/01560
; FILING DATE: 19930219
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/841,654
; FILING DATE: 20-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: UIRF89-11AA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 861-6240
; TELEFAX: 617 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4200 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 170..2855
PCT-US93-01560-1
Alignment Scores:
Pred. No.: 180 Length: 4200
Score: 48.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 51.1% Indels: 0
DB: 6 Gaps: 0
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US-10-030-937-68 (1-16) x PCT-US93-01560-1 (1-4200)
QY 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14
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RESULT 12
US-09-949-016-2641/c
; Sequence 2641, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2641
; LENGTH: 3647
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2641
Alignment Scores:
Pred. No.: 230 Length: 3647
Score: 47.00 Matches: 7
Percent Similarity: 75.0% Conservative: 2
Best Local Similarity: 58.3% Mismatches: 3
Query Match: 50.0% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-68 (1-16) x US-09-949-016-2641 (1-3647)
QY 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14
Db 1836 TGGGATTGCTGTTTCCAAGGGGAAAAACCAATAGTG 1801

RESULT 13
US-09-949-016-14383/c
; Sequence 14383, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14383
; LENGTH: 54950
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(54950)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14383
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Alignment Scores:  
Pred. No.: 5.67e+03 Length: 54950  
Score: 47.00 Matches: 7  
Percent Similarity: 75.0% Conservative: 2  
Best Local Similarity: 58.3% Mismatches: 3  
Query Match: 50.0% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-68 (1-16) x US-09-949-016-14383 (1-54950)

Qy 3 TrpAspAsnCysPheGluGlyLysAspProAlaVal 14  
Db 51138 TGGGATTGCTGTTTCCAAGGGGAAAACCAATAGTG 51103

RESULT 14

US-09-949-016-12000  
; Sequence 12000, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12000  
; LENGTH: 12416  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-12000

Alignment Scores:  
Pred. No.: 1.2e+03 Length: 12416  
Score: 46.50 Matches: 9  
Percent Similarity: 57.1% Conservative: 3  
Best Local Similarity: 42.9% Mismatches: 4  
Query Match: 49.5% Indels: 5  
DB: 3 Gaps: 1

US-10-030-937-68 (1-16) x US-09-949-016-12000 (1-12416)

Qy 1 PheSerTrp-----AspAsnCysPheGluGlyLysAspProAlaValle 15  
Db 4414 TTCTCTGGTCCAGTTTACCTTTAGATAAAATGTTTAAAGGGTAAATAATGTGTATTTC 4473

Qy 16 Arg 16

Db 4474 AGA 4476

RESULT 15

US-09-949-016-16170  
; Sequence 16170, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16170  
; LENGTH: 12418  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-16170

Alignment Scores:  
Pred. No.: 1.2e+03 Length: 12418  
Score: 46.50 Matches: 9  
Percent Similarity: 57.1% Conservative: 3  
Best Local Similarity: 42.9% Mismatches: 4  
Query Match: 49.5% Indels: 5  
DB: 3 Gaps: 1

US-10-030-937-68 (1-16) x US-09-949-016-16170 (1-12418)

Qy 1 PheSerTrp-----AspAsnCysPheGluGlyLysAspProAlaValle 15  
Db 4414 TTCTCTGGTCCAGTTTACCTTTAGATAAAATGTTTAAAGGGTAAATAATGTGTATTTC 4473

Qy 16 Arg 16  
Db 4474 AGA 4476

Search completed: February 16, 2006, 14:01:25  
Job time : 44.9067 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:05 ; Search time 20.0533 Seconds  
(without alignments)  
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Title: US-10-030-937-68  
Perfect score: 16  
Sequence: 1 FSWDNCFEKDPVIR 16

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

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Minimum DB seq length: 0  
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Post-processing: Listing first 150 summaries

Database : Published Applications AA\_Main:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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6	6	37.5	105	4	US-10-424-599-274901
7	6	37.5	126	3	US-09-815-242-5124
8	6	37.5	126	4	US-10-282-122A-43427
9	6	37.5	143	3	US-09-764-891-4060
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46	6	37.5	1217	5	US-10-450-763-40235	Sequence 40235, A
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54	5	31.2	13	4	US-10-468-370-634	Sequence 634, App
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56	5	31.2	13	4	US-10-468-496-588	Sequence 588, App
57	5	31.2	13	4	US-10-468-496-589	Sequence 589, App
58	5	31.2	13	4	US-10-468-496-590	Sequence 590, App
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138 5 31.2 106 4 US-10-425-115-288902  
139 5 31.2 107 4 US-10-425-115-360311  
140 5 31.2 108 4 US-10-437-963-183825  
141 5 31.2 109 4 US-10-425-115-327402  
142 5 31.2 110 4 US-10-424-599-155795  
143 5 31.2 110 4 US-10-437-963-122517  
144 5 31.2 110 4 US-10-437-963-169916  
145 5 31.2 110 4 US-10-767-701-42617  
146 5 31.2 110 4 US-10-767-701-58508  
147 5 31.2 112 4 US-10-437-963-135093  
148 5 31.2 112 4 US-10-425-115-322766  
149 5 31.2 113 5 US-10-450-763-33349  
150 5 31.2 114 4 US-10-424-599-174352

ALIGNMENTS

RESULT 1  
US-10-170-385-389  
; Sequence 389, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 532682000100  
; CURRENT APPLICATION NUMBER: US/10/170,385

Sequence 249630,  
Sequence 105157,  
Sequence 224920,  
Sequence 257622,  
Sequence 257275,  
Sequence 1142, Ap  
Sequence 276193,  
Sequence 6, Appli  
Sequence 7, Appli  
Sequence 8, Appli  
Sequence 168397,  
Sequence 9, Appli  
Sequence 15, Appl  
Sequence 174468,  
Sequence 25, Appl  
Sequence 247946,  
Sequence 200206,  
Sequence 27752, A  
Sequence 245578,  
Sequence 188848,  
Sequence 5, Appli  
Sequence 14, Appl  
Sequence 16, Appl  
Sequence 17, Appl  
Sequence 18, Appl  
Sequence 823, App  
Sequence 178156,  
Sequence 341432,  
Sequence 197870,  
Sequence 256, App  
Sequence 346486,  
Sequence 277771,  
Sequence 307732,  
Sequence 106013,  
Sequence 266220,  
Sequence 149466,  
Sequence 191685,  
Sequence 288902,  
Sequence 360311,  
Sequence 183825,  
Sequence 327402,  
Sequence 155795,  
Sequence 122517,  
Sequence 169916,  
Sequence 42617, A  
Sequence 58508, A  
Sequence 135093,  
Sequence 322766,  
Sequence 33349, A  
Sequence 174352,

; CURRENT FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: PCT/GB02/01662  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: PCT/GB01/05458  
; PRIOR FILING DATE: 2001-12-10  
; NUMBER OF SEQ ID NOS: 549  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 389  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-170-385-389

Query Match 56.2%; Score 9; DB 4; Length 193;  
Best Local Similarity 100.0%; Pred. No. 0.066;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDPVIR 16  
Db 41 EGKDPVIR 49

RESULT 2

US-10-723-860-529  
; Sequence 529, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators  
; FILE REFERENCE: 05882.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 529  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-723-860-529

Query Match 56.2%; Score 9; DB 5; Length 193;  
Best Local Similarity 100.0%; Pred. No. 0.066;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 EGKDPVIR 16  
Db 41 EGKDPVIR 49

RESULT 3

US-10-450-763-31079  
; Sequence 31079, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 31079



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; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match          56.2%; Score 9; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 0.066;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDPVAVIR 16
      |||||
Db      41 EGKDPVAVIR 49

RESULT 4
US-09-864-408A-5064
; Sequence 5064, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimkets, Richard A.
; TITLE OF INVENTION: NO. US20040009474A1 Human Polynucleotides and Polypeptides Encod
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 5064
; LENGTH: 85
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: Wherein Xaa may be any naturally occurring amino acid
US-09-864-408A-5064

Query Match          37.5%; Score 6; DB 3; Length 85;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVIR 16
      |||||
Db      73 DPAVIR 78

RESULT 5
US-10-450-763-37017
; Sequence 37017, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37017
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (18)..(91)
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; OTHER INFORMATION: SCP-like extracellular protein domain identified by PFam,
; OTHER INFORMATION: accession name SCP, E-value=1.4e-27, PFam score of 103.1
US-10-450-763-37017

Query Match          37.5%; Score 6; DB 5; Length 91;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDPA 13
      |||||
Db      35 EGKDPA 40

RESULT 6
US-10-424-599-274901
; Sequence 274901, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 274901
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(105)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_90256C.1.pep
US-10-424-599-274901

Query Match          37.5%; Score 6; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDPA 13
      |||||
Db      42 EGKDPA 47

RESULT 7
US-09-815-242-5124
; Sequence 5124, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
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; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5124
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5124

Query Match          37.5%; Score 6; DB 3; Length 126;
Best Local Similarity 100.0%; Pred. No. 73;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP A 13
Db      3 EGKDP A 8

RESULT 8
US-10-282-122A-43427
; Sequence 43427, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43427
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
,
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US-10-282-122A-43427

Query Match          37.5%; Score 6; DB 4; Length 126;
Best Local Similarity 100.0%; Pred. No. 73;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP A 13
Db      3 EGKDP A 8

RESULT 9
US-09-764-891-4060
; Sequence 4060, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4060
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (65)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (126)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (131)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4060

Query Match          37.5%; Score 6; DB 3; Length 143;
Best Local Similarity 100.0%; Pred. No. 81;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP A 13
Db      76 EGKDP A 81

RESULT 10
US-10-424-599-260239
; Sequence 260239, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 260239
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_77019C.1.pep
US-10-424-599-260239

Query Match          37.5%; Score 6; DB 4; Length 160;
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Best Local Similarity 100.0%; Pred. No. 89;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16
   |||||
Db 99 DPAVIR 104

RESULT 11
US-10-450-763-37014
; Sequence 37014, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37014
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (75)..(93)
; OTHER INFORMATION: Extracellular proteins SCP/Tpx-1/Ag5/PR-1/sc7 proteins domain
; OTHER INFORMATION: identified by eMATRIX, accession number BL01009A, p-value=9.571e-
; OTHER INFORMATION: 16, raw score of 13.75
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (17)..(154)
; OTHER INFORMATION: SCP-like extracellular protein domain identified by PFam,
; OTHER INFORMATION: accession name SCP, E-value=1.1e-60, PFam score of 215.1
US-10-450-763-37014

Query Match 37.5%; Score 6; DB 5; Length 168;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13
   |||||
Db 34 EGKDPA 39

RESULT 12
US-10-383-201-8
; Sequence 8, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 10/029020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 6
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-8

Query Match 37.5%; Score 6; DB 4; Length 203;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13
   |||||
Db 4 EGKDPA 9
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; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 8
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-8

Query Match 37.5%; Score 6; DB 4; Length 199;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13
   |||||
Db 2 EGKDPA 7

RESULT 13
US-10-383-201-6
; Sequence 6, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 10/029020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 6
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-6

Query Match 37.5%; Score 6; DB 4; Length 203;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13
   |||||
Db 4 EGKDPA 9
```

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RESULT 14
US-10-383-201-4
; Sequence 4, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; PRIOR FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 10/029020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-4

Query Match      37.5%; Score 6; DB 4; Length 217;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      8 EGKDP A 13
      |||||
Db      20 EGKDP A 25

RESULT 15
US-10-383-201-2
; Sequence 2, Application US/10383201
; Publication No. US20040029226A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-568A
; CURRENT APPLICATION NUMBER: US/10/383,201
; CURRENT FILING DATE: 2003-03-06
; PRIOR APPLICATION NUMBER: 10/029020
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/365,984
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 60/372,022
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/389,143
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/391,779
; PRIOR FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 60/410,755
; PRIOR FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 60/412,957
; PRIOR FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 10/051,874
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/366,928
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-4

Query Match      37.5%; Score 6; DB 4; Length 217;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      8 EGKDP A 13
      |||||
Db      20 EGKDP A 25

RESULT 16
US-10-450-763-37015
; Sequence 37015, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37015
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (149)..(170)
; OTHER INFORMATION: Extracellular proteins SCP/Tpx-1/Ag5/PR-1/Sc7 proteins domain
; OTHER INFORMATION: Identified by eMATRIX, accession number BL01009D, p-value=9.471e-
; OTHER INFORMATION: 23, raw score of 14.19
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (17)..(191)
; OTHER INFORMATION: SCP-like extracellular protein domain identified by Pfam,
; OTHER INFORMATION: accession name SCP, E-value=7.9e-97, Pfam score of 335.1
US-10-450-763-37015

Query Match      37.5%; Score 6; DB 5; Length 257;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      8 EGKDP A 13
      |||||
Db      34 EGKDP A 39

RESULT 17
US-09-367-528A-1
; Sequence 1, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
```

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US-10-450-763-37015
; PRIOR APPLICATION NUMBER: 60/366,928
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 10/055,877
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 2
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-383-201-2

Query Match      37.5%; Score 6; DB 4; Length 243;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      8 EGKDP A 13
      |||||
Db      20 EGKDP A 25
```

```
RESULT 16
US-10-450-763-37015
; Sequence 37015, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 37015
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (149)..(170)
; OTHER INFORMATION: Extracellular proteins SCP/Tpx-1/Ag5/PR-1/Sc7 proteins domain
; OTHER INFORMATION: Identified by eMATRIX, accession number BL01009D, p-value=9.471e-
; OTHER INFORMATION: 23, raw score of 14.19
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (17)..(191)
; OTHER INFORMATION: SCP-like extracellular protein domain identified by Pfam,
; OTHER INFORMATION: accession name SCP, E-value=7.9e-97, Pfam score of 335.1
US-10-450-763-37015
```

```
Query Match      37.5%; Score 6; DB 5; Length 257;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      8 EGKDP A 13
      |||||
Db      34 EGKDP A 39
```

```
RESULT 17
US-09-367-528A-1
; Sequence 1, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
```

```
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: 82
; OTHER INFORMATION: Xaa represents Val, Leu, Ile, Thr, Asp, Glu, Asn, Gln, Lys,
; OTHER INFORMATION: Arg, Cys, Met, Phe, Tyr, Trp, His or Pro.
US-09-367-528A-1

Query Match          37.5%; Score 6; DB 3; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPVAV 14
        |||||
Db      62 GKDPVAV 67

RESULT 18
US-09-367-528A-3
; Sequence 3, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-09-367-528A-3

Query Match          37.5%; Score 6; DB 3; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPVAV 14
        |||||
Db      62 GKDPVAV 67

RESULT 19
US-09-367-528A-5
; Sequence 5, Application US/09367528A
; Publication No. US20010051359A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
```

```
US-09-367-528A-5

Query Match          37.5%; Score 6; DB 3; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPVAV 14
        |||||
Db      62 GKDPVAV 67

RESULT 20
US-10-462-698A-76
; Sequence 76, Application US/10462698A
; Publication No. US20040029239A1
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: A method of producing prenylalcohol
; FILE REFERENCE: PH-1412PCT
; CURRENT APPLICATION NUMBER: US/10/462,698A
; CURRENT FILING DATE: 2003-06-17
; PRIOR APPLICATION NUMBER: JP2000-401701
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 76
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-10-462-698A-76

Query Match          37.5%; Score 6; DB 4; Length 297;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPVAV 14
        |||||
Db      62 GKDPVAV 67

RESULT 21
US-10-282-122A-52133
; Sequence 52133, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
```

```
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52133
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Clostridium acetobutylicum
US-10-282-122A-52133

Query Match      37.5%; Score 6; DB 4; Length 308;
Best Local Similarity 100.0%; Pred.No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 CFEKGD 11
      |||||
Db      48 CFEKGD 53

RESULT 22
US-10-369-493-588
; Sequence 588, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 588
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-10-369-493-588

Query Match      37.5%; Score 6; DB 4; Length 329;
Best Local Similarity 100.0%; Pred.No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPABI 15
      |||||
Db      265 KDPABI 270

RESULT 23
US-10-732-923-5280
; Sequence 5280, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 5280
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; LENGTH: 329
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-10-732-923-5280

Query Match      37.5%; Score 6; DB 5; Length 329;
Best Local Similarity 100.0%; Pred.No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPABI 15
      |||||
Db      265 KDPABI 270

RESULT 24
US-10-282-122A-60813
; Sequence 60813, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60813
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Listeria monocytogenes
US-10-282-122A-60813

Query Match      37.5%; Score 6; DB 4; Length 379;
Best Local Similarity 100.0%; Pred.No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP A 13
      |||||
Db      163 EGKDP A 168
```

RESULT 25  
US-10-437-963-200217  
; Sequence 200217, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 200217  
; LENGTH: 391  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(391)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_95708C.1.pep  
US-10-437-963-200217

Query Match 37.5%; Score 6; DB 4; Length 391;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16  
|||||  
Db 95 DPAVIR 100

RESULT 26  
US-10-369-493-20145  
; Sequence 20145, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 20145  
; LENGTH: 403  
; TYPE: PRT  
; ORGANISM: No. US20030233675Altoc punctiforme  
US-10-369-493-20145

Query Match 37.5%; Score 6; DB 4; Length 403;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPVAV 14  
|||||  
Db 250 GKDPVAV 255

RESULT 27  
US-10-637-831-6  
; Sequence 6, Application US/10637831  
; Publication No. US20040148654A1  
; GENERAL INFORMATION:  
; APPLICANT: Helentjaris, Tim  
; TITLE OF INVENTION: Modulation of Abscissic Acid  
; FILE REFERENCE: 35718/204777  
; CURRENT APPLICATION NUMBER: US/10/637,831  
; CURRENT FILING DATE: 2003-08-08  
; PRIOR APPLICATION NUMBER: US/09/715,774  
; PRIOR FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 60/166,080  
; PRIOR FILING DATE: 1999-11-17  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-10-637-831-6

Query Match 37.5%; Score 6; DB 4; Length 423;  
Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13  
|||||  
Db 378 EGKDPA 383

RESULT 28  
US-10-171-404A-46  
; Sequence 46, Application US/10171404A  
; Publication No. US20030177529A1  
; GENERAL INFORMATION:  
; APPLICANT: BASF PLANT SCIENCE GMBH  
; TITLE OF INVENTION: SUGAR AND LIPID METABOLISM REGULATORS IN PLANTS II  
; FILE REFERENCE: 16313-0119  
; CURRENT APPLICATION NUMBER: US/10/171,404A  
; CURRENT FILING DATE: 2002-11-19  
; PRIOR APPLICATION NUMBER: 60/295,680  
; PRIOR FILING DATE: 2001-06-04  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 46  
; LENGTH: 434  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-10-171-404A-46

Query Match 37.5%; Score 6; DB 4; Length 434;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDPA 13  
|||||  
Db 389 EGKDPA 394

RESULT 29  
US-10-637-831-4  
; Sequence 4, Application US/10637831  
; Publication No. US20040148654A1  
; GENERAL INFORMATION:  
; APPLICANT: Helentjaris, Tim  
; TITLE OF INVENTION: Modulation of Abscissic Acid  
; FILE REFERENCE: 35718/204777  
; CURRENT APPLICATION NUMBER: US/10/637,831  
; CURRENT FILING DATE: 2003-08-08  
; PRIOR APPLICATION NUMBER: US/09/715,774  
; PRIOR FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 60/166,080



```
; PRIOR FILING DATE: 1999-11-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-637-831-4

Query Match      37.5%; Score 6; DB 4; Length 434;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP 13
      |||||
Db      389 EGKDP 394

RESULT 30
US-10-282-122A-49297
; Sequence 49297, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49297
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-282-122A-49297

Query Match      37.5%; Score 6; DB 4; Length 446;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDP 14
```

```
      |||||
Db      324 GKDP 329

RESULT 31
US-10-437-963-203808
; Sequence 203808, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 203808
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_98957C.1.pep
US-10-437-963-203808

Query Match      37.5%; Score 6; DB 4; Length 471;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDP 15
      |||||
Db      249 KDP 254

RESULT 32
US-10-732-923-1109
; Sequence 1109, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 1109
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(474)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-1109

Query Match      37.5%; Score 6; DB 5; Length 474;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEGKDP 12
      |||||
Db      249 FEGKDP 254

RESULT 33
```

```
US-10-672-282-10
; Sequence 10, Application US/10672282
; Publication No. US20040154056A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Elizabeth
; TITLE OF INVENTION: NOVEL MOLECULES OF THE MULTI-DRUG AND TOXIN
; FILE REFERENCE: DCI-111
; CURRENT APPLICATION NUMBER: US/10/672,282
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/280,621
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 523
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-672-282-10

Query Match      37.5%; Score 6; DB 4; Length 523;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPABI 15
      |||||
Db      419 KDPABI 424

RESULT 34
US-10-672-282-3
; Sequence 3, Application US/10672282
; Publication No. US20040154056A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Elizabeth
; TITLE OF INVENTION: NOVEL MOLECULES OF THE MULTI-DRUG AND TOXIN
; FILE REFERENCE: DCI-111
; CURRENT APPLICATION NUMBER: US/10/672,282
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/280,621
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 526
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-672-282-3

Query Match      37.5%; Score 6; DB 4; Length 526;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPABI 15
      |||||
Db      420 KDPABI 425

RESULT 35
US-10-739-930-6665
; Sequence 6665, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 6665
; LENGTH: 526
```

```
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: ARATH-23APR03-C6674_1.p
US-10-739-930-6665

Query Match      37.5%; Score 6; DB 5; Length 526;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPABI 15
      |||||
Db      420 KDPABI 425

RESULT 36
US-10-437-963-137331
; Sequence 137331, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 137331
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_38824C.1.p
US-10-437-963-137331

Query Match      37.5%; Score 6; DB 4; Length 641;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVIR 16
      |||||
Db      384 DPAVIR 389

RESULT 37
US-10-450-763-58584
; Sequence 58584, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 58584
; LENGTH: 701
; TYPE: PRT
; ORGANISM: Homo sapiens
```

```

; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (470)..(517)
; OTHER INFORMATION: Phosphoglycerate kinase proteins domain identified by
; OTHER INFORMATION: eMATRIX, accession number BL00111F, p-value=1.000e-40, raw score
; OTHER INFORMATION: 14.32
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (286)..(700)
; OTHER INFORMATION: Phosphoglycerate kinases domain identified by PFam, accession
; OTHER INFORMATION: name PGK, E-value=9.2e-286, PFam score of 962.7
US-10-450-763-58584

Query Match          37.5%; Score 6; DB 5; Length 701;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKOPA 13
Db      35 EGKOPA 40

RESULT 38
US-10-437-963-185490
; Sequence 185490, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 185490
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_82381C.1.pep
US-10-437-963-185490

Query Match          37.5%; Score 6; DB 4; Length 757;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 DNCFEG 9
Db      79 DNCFEG 84

RESULT 39
US-10-408-765A-2285
; Sequence 2285, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
```

```

; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2285
; LENGTH: 825
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2285

Query Match          37.5%; Score 6; DB 4; Length 825;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKOPA 13
Db      84 EGKOPA 89

RESULT 40
US-10-623-813-7
; Sequence 7, Application US/10623813
; Publication No. US20040234997A1
; GENERAL INFORMATION:
; APPLICANT: Li, En
; APPLICANT: Okano, Masaki
; APPLICANT: Xie, Shaoping
; APPLICANT: Chen, Taiping
; TITLE OF INVENTION: De Novo DNA Cytosine Methyltransferase Genes, Polypeptides & Uses
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 0609.4560003
; CURRENT APPLICATION NUMBER: US/10/623,813
; CURRENT FILING DATE: 2003-07-22
; PRIOR APPLICATION NUMBER: US 09/720,086
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: PCT/US99/14373
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/090,906
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: US 60/093,993
; PRIOR FILING DATE: 1998-07-24
; NUMBER OF SEQ ID NOS: 119
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-623-813-7

Query Match          37.5%; Score 6; DB 5; Length 912;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPABI 15
Db      67 KDPABI 72

RESULT 41
US-10-437-963-137333
; Sequence 137333, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
```

; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 137333  
; LENGTH: 958  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_38826C.1.pep  
US-10-437-963-137333

Query Match 37.5%; Score 6; DB 4; Length 958;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16  
|||||  
Db 591 DPAVIR 596

RESULT 42  
US-11-097-143-24354  
; Sequence 24354, Application US/11097143  
; Publication No. US20050208558A1  
; GENERAL INFORMATION:  
; APPLICANT: Venter, J. Craig  
; APPLICANT: et al.  
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
; TITLE OF INVENTION: DROSOPHILA GENES.  
; FILE REFERENCE: CL000728  
; CURRENT APPLICATION NUMBER: US/11/097,143  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: 60/157,832  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: 60/160,191  
; PRIOR FILING DATE: 1999-10-19  
; PRIOR APPLICATION NUMBER: 60/161,932  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 60/164,769  
; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 60/173,383  
; PRIOR FILING DATE: 1999-12-28  
; PRIOR APPLICATION NUMBER: 60/175,693  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: 60/184,831  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: 60/191,637  
; PRIOR FILING DATE: 2000-03-23  
; NUMBER OF SEQ ID NOS: 43008  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 24354  
; LENGTH: 1001  
; TYPE: PRT  
; ORGANISM: DROSOPHILA  
US-11-097-143-24354

Query Match 37.5%; Score 6; DB 6; Length 1001;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEKXDP 12  
|||||  
Db 587 FEKXDP 592

RESULT 43  
US-10-437-963-126411  
; Sequence 126411, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 126411  
; LENGTH: 1036  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_28960C.1.pep  
US-10-437-963-126411

Query Match 37.5%; Score 6; DB 4; Length 1036;  
Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16  
|||||  
Db 373 DPAVIR 378

RESULT 44  
US-10-437-963-137323  
; Sequence 137323, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 137323  
; LENGTH: 1179  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(1179)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_38817C.1.pep  
US-10-437-963-137323

Query Match 37.5%; Score 6; DB 4; Length 1179;  
Best Local Similarity 100.0%; Pred. No. 4.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVIR 16  
|||||  
Db 855 DPAVIR 860

RESULT 45  
US-10-437-963-126407  
; Sequence 126407, Application US/10437963

```

; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126407
; LENGTH: 1191
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_28957C.1.pep
US-10-437-963-126407

Query Match          37.5%; Score 6; DB 4; Length 1191;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVIR 16
      |||||
Db      788 DPAVIR 793

RESULT 46
US-10-450-763-40235
; Sequence 40235, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 40235
; LENGTH: 1217
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (654)..(689)
; OTHER INFORMATION: CORE POLYPROTEIN PROTEIN GAG CONTAINS: P domain identified by
; OTHER INFORMATION: eMATRIX, accession number PD02059B, p-value=1.000e-09, raw score
; OTHER INFORMATION: of 24.48
US-10-450-763-40235

Query Match          37.5%; Score 6; DB 5; Length 1217;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP A 13
      |||||
Db      86 EGKDP A 91

RESULT 47
```

```

US-10-437-963-126375
; Sequence 126375, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126375
; LENGTH: 1741
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_28928C.1.pep
US-10-437-963-126375

Query Match          37.5%; Score 6; DB 4; Length 1741;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVIR 16
      |||||
Db      1326 DPAVIR 1331

RESULT 48
US-10-437-963-126488
; Sequence 126488, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 126488
; LENGTH: 2112
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_29029C.1.pep
US-10-437-963-126488

Query Match          37.5%; Score 6; DB 4; Length 2112;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVIR 16
      |||||
Db      1750 DPAVIR 1755

RESULT 49
US-10-369-493-20151
```

```
; Sequence 20151, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20151
; LENGTH: 3250
; TYPE: PRT
; ORGANISM: No. US20030233675A1toc punctiforme
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(3250)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-20151
```

```
Query Match 37.5%; Score 6; DB 4; Length 3250;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 11 DPAVIR 16
Db 1264 DPAVIR 1269
```

RESULT 50

```
US-10-862-195-1240
; Sequence 1240, Application US/10862195
; Publication No. US20050164324A1
; GENERAL INFORMATION:
; APPLICANT: GYGI, STEVEN P.
; TITLE OF INVENTION: SYSTEMS, METHODS AND KITS FOR CHARACTERIZING PHOSPHOPROTEOMES
; FILE REFERENCE: 5890(70207)
; CURRENT APPLICATION NUMBER: US/10/862,195
; CURRENT FILING DATE: 2004-06-04
; PRIOR APPLICATION NUMBER: 60/476,010
; PRIOR FILING DATE: 2003-06-04
; NUMBER OF SEQ ID NOS: 2245
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1240
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: See specification as filed for preferred embodiments
; OTHER INFORMATION: and description of phosphorylation sites
US-10-862-195-1240
```

```
Query Match 31.2%; Score 5; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 12 PAVIR 16
Db 5 PAVIR 9
```

RESULT 51

```
US-10-468-370-631
; Sequence 631, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
```

```
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 631
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-370-631
```

```
Query Match 31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 KDPVAV 14
Db 8 KDPVAV 12
```

RESULT 52

```
US-10-468-370-632
; Sequence 632, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 632
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
```

```
US-10-468-370-632
Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPVAV 14
Db      6 KDPVAV 10

RESULT 53
US-10-468-370-633
; Sequence 633, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-118
; CURRENT APPLICATION NUMBER: US/10/468,370
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: EP 01103955.9
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: EP 01108291.4
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: PCT/EP02/01690
; PRIOR FILING DATE: 2002-02-18
; NUMBER OF SEQ ID NOS: 689
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 633
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-370-634
Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPVAV 14
Db      4 KDPVAV 8

RESULT 55
US-10-468-496-587
; Sequence 587, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 587
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-587
Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPVAV 14
Db      8 KDPVAV 12

US-10-468-370-632
Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 KDPVAV 14
Db      6 KDPVAV 10

RESULT 54
US-10-468-370-634
; Sequence 634, Application US/10468370
; Publication No. US20040082039A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Carr, Francis J.
; APPLICANT: Jones, Tim
; APPLICANT: Carter, Graham
; APPLICANT: Hamilton, Anita
; APPLICANT: Williams, Stephen
; APPLICANT: Hanlon, Marian
; APPLICANT: Watkins, John
; APPLICANT: Baker, Matthew
; APPLICANT: Way, Jeffrey
; TITLE OF INVENTION: ARTIFICIAL PROTEINS WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
```



```
RESULT 56
US-10-468-496-588
; Sequence 588, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 588
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-588

Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
Db      6 KDPVAV 10
      |||||

RESULT 57
US-10-468-496-589
; Sequence 589, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 589
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-589

Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
Db      6 KDPVAV 10
      |||||

RESULT 58
US-10-468-496-590
; Sequence 590, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 590
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-590

Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
Db      4 KDPVAV 8
      |||||

RESULT 59
US-09-864-761-43155
; Sequence 43155, Application US/09864761
```

```
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 589
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-589

Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
Db      5 KDPVAV 9
      |||||

RESULT 58
US-10-468-496-590
; Sequence 590, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; TITLE OF INVENTION: IMMUNOGENICITY
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 590
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-590

Query Match          31.2%; Score 5; DB 4; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
Db      4 KDPVAV 8
      |||||

RESULT 59
US-09-864-761-43155
; Sequence 43155, Application US/09864761
```

```
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43155
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC009237.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.95
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.58
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.66
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.75
; US-09-864-761-43155
```

```
Query Match          31.2%; Score 5; DB 3; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches      5; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      12 PAVIR 16
      |||||
Db      13 PAVIR 17
```

```
RESULT 60
US-10-862-698-52
; Sequence 52, Application US/10862698
; Publication No. US20040253701A1
; GENERAL INFORMATION:
; APPLICANT: Morin, Gregg B.
; APPLICANT: Allsopp, Richard
; APPLICANT: Depinho, Ronald
; APPLICANT: Greenberg, Roger
; TITLE OF INVENTION: Mouse Telomerase Reverse Transcriptase
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/862,698
; FILING DATE: 07-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,460
; FILING DATE: 16-MAR-1998
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: US 08/974,549
; FILING DATE: 19-NOV-1997
; APPLICATION NUMBER: US 08/974,584
; FILING DATE: 19-NOV-1997
; APPLICATION NUMBER: US 08/979,742
; FILING DATE: 26-NOV-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Einhorn, Gregory P.
; REGISTRATION NUMBER: 38,440
; REFERENCE/DOCKET NUMBER: 015389-003110US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 52:
US-10-862-698-52
```

Query Match 31.2%; Score 5; DB 5; Length 25;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
Db 14 PAVIR 18

RESULT 61

US-09-843-676-155  
; Sequence 155, Application US/09843676  
; Patent No. US20020164786A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin  
; Andrews, William H.  
; TITLE OF INVENTION: No. US20020164786A1el Telomerase  
; NUMBER OF SEQUENCES: 225  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/843,676  
; FILING DATE: 26-Apr-2001  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US/08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US/08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US/08/724,643  
; FILING DATE: 01-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002930US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 155:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..30  
; OTHER INFORMATION: /note= "motif 0 peptide from  
; Schizosaccharomyces pombe tez1"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:

US-09-843-676-155  
Query Match 31.2%; Score 5; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
Db 14 PAVIR 18

RESULT 62

US-09-766-253-155  
; Sequence 155, Application US/09766253  
; Publication No. US20020187471A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin  
; Andrews, William H.  
; TITLE OF INVENTION: No. US20020187471A1el Telomerase  
; NUMBER OF SEQUENCES: 171  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/766,253  
; FILING DATE: 19-Jan-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/846,017  
; FILING DATE: 1997-04-25  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002920US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 155:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..30  
; OTHER INFORMATION: /note= "motif 0 peptide from  
; Schizosaccharomyces pombe tez1"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:

US-09-766-253-155  
Query Match 31.2%; Score 5; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
Db 7 PAVIR 11

RESULT 63

US-09-438-486-155  
; Sequence 155, Application US/09438486  
; Publication No. US20030009019A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; APPLICANT: Lingner, Joachim  
; APPLICANT: Nakamura, Toru  
; APPLICANT: Chapman, Karen B.  
; APPLICANT: Morin, Gregg B.  
; APPLICANT: Harley, Calvin  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: No. US20030009019A1el Telomerase  
; NUMBER OF SEQUENCES: 223  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/438,486  
; FILING DATE: 12-NOV-1999  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002931US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 155:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..30  
; OTHER INFORMATION: /note= "motif 0 peptide from  
; Schizosaccharomyces pombe tez1"  
; US-09-438-486-155

Query Match 31.2%; Score 5; DB 3; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
Db 7 PAVIR 11

RESULT 64  
US-10-053-758-155  
; Sequence 155, Application US/10053758  
; Publication No. US20030032075A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; APPLICANT: Lingner, Joachim  
; APPLICANT: Nakamura, Toru  
; APPLICANT: Chapman, Karen B.  
; APPLICANT: Morin, Gregg B.  
; APPLICANT: Harley, Calvin  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: No. US20030032075A1el Telomerase  
; NUMBER OF SEQUENCES: 225  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/053,758  
; FILING DATE: 18-Jan-2002  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002930US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 155:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..30  
; OTHER INFORMATION: /note= "motif 0 peptide from  
; Schizosaccharomyces pombe tez1"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:  
; US-10-053-758-155

Query Match 31.2%; Score 5; DB 4; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
Db 7 PAVIR 11

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RESULT 65
US-10-054-295-155
; Sequence 155, Application US/10054295
; Publication No. US20030044953A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
;           Lingner, Joachim
;           Nakamura, Toru
;           Chapman, Karen B.
;           Morin, Gregg B.
;           Harley, Calvin
;           Andrews, William H.
; TITLE OF INVENTION: No. US20030044953A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/054,295
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/854,050
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-10-054-295-155
Query Match 31.2%; Score 5; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 12 PAVIR 16
Db |||||
7 PAVIR 11
RESULT 66
US-10-054-611-155
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; Sequence 155, Application US/10054611
; Publication No. US20030059787A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
;           Lingner, Joachim
;           Nakamura, Toru
;           Chapman, Karen B.
;           Morin, Gregg B.
;           Harley, Calvin
;           Andrews, William H.
; TITLE OF INVENTION: No. US20030059787A1el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/054,611
; FILING DATE: 18-Jan-2002
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/854,050
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0300
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:
US-10-054-611-155
Query Match 31.2%; Score 5; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 12 PAVIR 16
Db |||||
7 PAVIR 11
RESULT 67
US-10-325-810-275
; Sequence 275, Application US/10325810
; Publication No. US20030204069A1
; GENERAL INFORMATION:
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APPLICANT: Cech, Thomas R.  
Lingner, Joachim  
Nakamura, Toru  
Chapman, Karen B.  
Morin, Gregg B.  
Harley, Calvin B.  
Andrews, William H.  
TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
NUMBER OF SEQUENCES: 633  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/325,810  
FILING DATE: 20-Dec-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/402,181  
FILING DATE: 29-Sep-1997  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
APPLICATION NUMBER: US 08/911,312  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/912,951  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/915,503  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: WO PCT/US97/17885  
FILING DATE: 01-OCT-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ausenhus, Scott L.  
REGISTRATION NUMBER: 42,271  
REFERENCE/DOCKET NUMBER: 015389-002620US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 275:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..30  
OTHER INFORMATION: /note= "motif 0 peptide from Schizosaccharomyces pombe tez1"  
SEQUENCE DESCRIPTION: SEQ ID NO: 275:  
US-10-325-810-275  
Query Match 31.2%; Score 5; DB 4; Length 30;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 7 PAVIR 11  
RESULT 68  
US-10-877-124-275  
; Sequence 275, Application US/10877124  
; Publication No. US20040242529A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin B.  
; Andrews, William H.  
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
; NUMBER OF SEQUENCES: 727  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/877,124  
; FILING DATE: 24-Jun-2004  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/432,503  
; FILING DATE: 02-Nov-1999  
; APPLICATION NUMBER: 08/974,549  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; APPLICATION NUMBER: US 08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/911,312  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: US 08/912,951  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: US 08/915,503  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: WO PCT/US97/17618  
; FILING DATE: 01-OCT-1997  
; APPLICATION NUMBER: WO PCT/US97/17885  
; FILING DATE: 01-OCT-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph Ted  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002610US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 275:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide

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; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-877-124-275

Query Match      31.2%; Score 5; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      7 PAVIR 11

RESULT 69
US-10-877-022-275
; Sequence 275, Application US/10877022
; Publication No. US20040247613A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,022
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
;
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; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 275:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-877-022-275

Query Match      31.2%; Score 5; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      7 PAVIR 11

RESULT 70
US-10-877-146-275
; Sequence 275, Application US/10877146
; Publication No. US20050013825A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,146
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
;
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; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 275:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; Schizosaccharomyces pombe tez1"
; SEQUENCE DESCRIPTION: SEQ ID NO: 275:
US-10-877-146-275
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Query Match 31.2%; Score 5; DB 5; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 12 PAVIR 16
   |||||
Db 7 PAVIR 11
```

```
RESULT 71
US-10-424-599-194367
; Sequence 194367, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 194367
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_17540C.1.pep
US-10-424-599-194367
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```
Query Match 31.2%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 11 DPAVI 15
   |||||
Db 17 DPAVI 21
```

```
RESULT 72
US-10-424-599-263917
; Sequence 263917, Application US/10424599
; Publication No. US20040031072A1
```

```
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 263917
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_80336C.1.pep
US-10-424-599-263917
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Query Match 31.2%; Score 5; DB 4; Length 44;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 8 EGKDP 12
   |||||
Db 17 EGKDP 21
```

```
RESULT 73
US-10-425-115-324653
; Sequence 324653, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 324653
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_59155C.1.pep
US-10-425-115-324653
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```
Query Match 31.2%; Score 5; DB 4; Length 44;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 6 CFEGK 10
   |||||
Db 38 CFEGK 42
```

```
RESULT 74
US-10-767-701-52505
; Sequence 52505, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
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; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 52505
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 12501608.pep
US-10-767-701-52505

Query Match      31.2%; Score 5; DB 4; Length 45;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
Db      19 DPAVI 23

RESULT 75
US-10-001-885-129
; Sequence 129, Application US/10001885
; Publication No. US20040058319A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pro
; FILE REFERENCE: DEX-0279
; CURRENT APPLICATION NUMBER: US/10/001,885
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,061
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: 60/253,257
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-885-129

Query Match      31.2%; Score 5; DB 4; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP 12
Db      38 EGKDP 42

RESULT 76
US-10-425-115-339730
; Sequence 339730, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 339730
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Zea mays
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```
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_73003C.1.pep
US-10-425-115-339730

Query Match      31.2%; Score 5; DB 4; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
Db      35 GKDPA 39

RESULT 77
US-11-057-447-129
; Sequence 129, Application US/11057447
; Publication No. US20050181413A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pro
; FILE REFERENCE: DEX-0279
; CURRENT APPLICATION NUMBER: US/11/057,447
; CURRENT FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US/10/001,885
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,061
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: 60/253,257
; PRIOR FILING DATE: 2000-11-27
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-057-447-129

Query Match      31.2%; Score 5; DB 6; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKDP 12
Db      38 EGKDP 42

RESULT 78
US-10-424-599-263118
; Sequence 263118, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 263118
; LENGTH: 50
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_79617C.1.pep
US-10-424-599-263118
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Query Match 31.2%; Score 5; DB 4; Length 50;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 8 EGKDP 12  
Db 20 EGKDP 24

RESULT 79  
US-10-425-115-349779  
; Sequence 349779, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 349779  
; LENGTH: 50  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_82173C.1.pep  
US-10-425-115-349779

Query Match 31.2%; Score 5; DB 4; Length 50;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 11 DPAVI 15  
Db 34 DPAVI 38

RESULT 80  
US-10-424-599-285105  
; Sequence 285105, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 285105  
; LENGTH: 51  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_99478C.1.pep  
US-10-424-599-285105

Query Match 31.2%; Score 5; DB 4; Length 51;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 11 DPAVI 15  
Db 18 DPAVI 22

RESULT 81  
US-10-044-692-25  
; Sequence 25, Application US/10044692  
; Publication No. US20030096344A1  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin  
; Andrews, William H.  
; TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND  
; THERAPEUTIC METHODS  
; NUMBER OF SEQUENCES: 335  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/044,692  
; FILING DATE: 11-Jan-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/912,951  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: US 08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 54 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..54  
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
; Schizosaccharomyces pombe TRT tezl1p"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:  
US-10-044-692-25

Query Match 31.2%; Score 5; DB 4; Length 54;  
Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 12 PAVIR 16  
|||||

Db	14 PAVIR 18		
RESULT 82			
US-10-044-539-25			
; Sequence 25, Application US/10044539			
; Publication No. US20030100093A1			
; GENERAL INFORMATION:			
; APPLICANT: Cech, Thomas R.			
; Lingner, Joachim			
; Nakamura, Toru			
; Chapman, Karen B.			
; Morin, Gregg B.			
; Harley, Calvin			
; Andrews, William H.			
; TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND			
; THERAPEUTIC METHODS			
; NUMBER OF SEQUENCES: 335			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Townsend and Townsend and Crew LLP			
; STREET: Two Embarcadero Center, 8th Floor			
; CITY: San Francisco			
; STATE: California			
; COUNTRY: United States of America			
; ZIP: 94111			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: PatentIn Release #1.0, Version #1.30			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/10/044,539			
; FILING DATE: 11-Jan-2002			
; CLASSIFICATION: 435			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER: 08/912,951			
; FILING DATE: <Unknown>			
; APPLICATION NUMBER: US 08/854,050			
; FILING DATE: 09-MAY-1997			
; APPLICATION NUMBER: US 08/851,843			
; FILING DATE: 06-MAY-1997			
; APPLICATION NUMBER: US 08/846,017			
; FILING DATE: 25-APR-1997			
; APPLICATION NUMBER: US 08/844,419			
; FILING DATE: 18-APR-1997			
; APPLICATION NUMBER: US 08/724,643			
; FILING DATE: 01-OCT-1996			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Apple, Randolph T.			
; REGISTRATION NUMBER: 36,429			
; REFERENCE/DOCKET NUMBER: 015389-002600US			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: (415) 576-0200			
; TELEFAX: (415) 576-0300			
; INFORMATION FOR SEQ ID NO: 25:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 54 amino acids			
; TYPE: amino acid			
; STRANDEDNESS: <Unknown>			
; TOPOLOGY: linear			
; MOLECULE TYPE: peptide			
; FEATURE:			
; NAME/KEY: Peptide			
; LOCATION: 1..54			
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from			
; Schizosaccharomyces pombe TRT tezip"			
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:			
US-10-044-539-25			
Query Match 31.2%; Score 5; DB 4; Length 54;			
Best Local Similarity 100.0%; Pred. No. 4.2e+02;			
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	12 PAVIR 16		
Db	14 PAVIR 18		
RESULT 83			
US-10-325-810-25			
; Sequence 25, Application US/10325810			
; Publication No. US20030204069A1			
; GENERAL INFORMATION:			
; APPLICANT: Cech, Thomas R.			
; Lingner, Joachim			
; Nakamura, Toru			
; Chapman, Karen B.			
; Morin, Gregg B.			
; Harley, Calvin B.			
; Andrews, William H.			
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit			
; NUMBER OF SEQUENCES: 633			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Townsend and Townsend and Crew LLP			
; STREET: Two Embarcadero Center, Eighth Floor			
; CITY: San Francisco			
; STATE: California			
; COUNTRY: USA			
; ZIP: 94111-3834			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: PatentIn Release #1.0, Version #1.30			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/10/325,810			
; FILING DATE: 20-Dec-2002			
; CLASSIFICATION: <Unknown>			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER: US/09/402,181			
; FILING DATE: 29-Sep-1997			
; APPLICATION NUMBER: US 08/724,643			
; FILING DATE: 01-OCT-1996			
; APPLICATION NUMBER: US 08/844,419			
; FILING DATE: 18-APR-1997			
; APPLICATION NUMBER: US 08/846,017			
; FILING DATE: 25-APR-1997			
; APPLICATION NUMBER: US 08/851,843			
; FILING DATE: 06-MAY-1997			
; APPLICATION NUMBER: US 08/854,050			
; FILING DATE: 09-MAY-1997			
; APPLICATION NUMBER: US 08/911,312			
; FILING DATE: 14-AUG-1997			
; APPLICATION NUMBER: US 08/912,951			
; FILING DATE: 14-AUG-1997			
; APPLICATION NUMBER: US 08/915,503			
; FILING DATE: 14-AUG-1997			
; APPLICATION NUMBER: WO PCT/US97/17885			
; FILING DATE: 01-OCT-1997			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Ausenhus, Scott L.			
; REGISTRATION NUMBER: 42,271			
; REFERENCE/DOCKET NUMBER: 015389-002620US			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: (415) 576-0200			
; TELEFAX: (415) 576-0300			
; INFORMATION FOR SEQ ID NO: 25:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 54 amino acids			
; TYPE: amino acid			
; STRANDEDNESS: <Unknown>			
; TOPOLOGY: linear			
; MOLECULE TYPE: peptide			
; FEATURE:			
; NAME/KEY: Peptide			
; LOCATION: 1..54			
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from			
; Schizosaccharomyces pombe TRT tezip"			
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:			
US-10-044-539-25			
Query Match 31.2%; Score 5; DB 4; Length 54;			
Best Local Similarity 100.0%; Pred. No. 4.2e+02;			
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			

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;
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT te2lp"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-325-810-25
```

```
Query Match      31.2%; Score 5; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 PAVIR 16
      |||||
Db      14 PAVIR 18
```

## RESULT 84

```
US-10-877-124-25
; Sequence 25, Application US/10877124
; Publication No. US20040242529A1
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
```

```
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,124
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
;
```

```
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..54
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from
; Schizosaccharomyces pombe TRT te2lp"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-877-124-25
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```
Query Match      31.2%; Score 5; DB 5; Length 54;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 PAVIR 16
      |||||
Db      14 PAVIR 18
```

## RESULT 85

```
US-10-877-022-25
; Sequence 25, Application US/10877022
; Publication No. US20040247613A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin B.
; Andrews, William H.
```

```
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/877,022
; FILING DATE: 24-Jun-2004
; CLASSIFICATION: <Unknown>
```

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/432,503
; FILING DATE: 02-Nov-1999
; APPLICATION NUMBER: 08/974,549
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; APPLICATION NUMBER: US 08/915,503
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/ FILING DATE: 14-AUG-1997  
/ APPLICATION NUMBER: WO PCT/US97/17618  
/ FILING DATE: 01-OCT-1997  
/ APPLICATION NUMBER: WO PCT/US97/17885  
/ FILING DATE: 01-OCT-1997  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Apple, Randolph Ted  
/ REGISTRATION NUMBER: 36,429  
/ REFERENCE/DOCKET NUMBER: 015389-002610US  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (415) 576-0200  
/ TELEFAX: (415) 576-0300  
/ INFORMATION FOR SEQ ID NO: 25:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 54 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS: <Unknown>  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ FEATURE:  
/ NAME/KEY: Peptide  
/ LOCATION: 1..54  
/ OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
/ Schizosaccharomyces pombe TRT tezip"  
/ SEQUENCE DESCRIPTION: SEQ ID NO: 25:  
US-10-877-022-25  
  
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Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 12 PAVIR 16  
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Db 14 PAVIR 18  
  
RESULT 86  
US-10-877-146-25  
/ Sequence 25, Application US/10877146  
/ Publication No. US20050013825A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Cech, Thomas R.  
/ Lingner, Joachim  
/ Nakamura, Toru  
/ Chapman, Karen B.  
/ Morin, Gregg B.  
/ Harley, Calvin B.  
/ Andrews, William H.  
/ TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
/ NUMBER OF SEQUENCES: 727  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Townsend and Townsend and Crew LLP  
/ STREET: Two Embarcadero Center, Eighth Floor  
/ CITY: San Francisco  
/ STATE: California  
/ COUNTRY: USA  
/ ZIP: 94111-3834  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: PatentIn Release #1.0, Version #1.30  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/10/877,146  
/ FILING DATE: 24-Jun-2004  
/ CLASSIFICATION: <Unknown>  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/432,503  
/ FILING DATE: 02-Nov-1999  
/ APPLICATION NUMBER: 08/974,549  
/ FILING DATE: <Unknown>  
/ APPLICATION NUMBER: US 08/844,419  
/ FILING DATE: 18-APR-1997

/ APPLICATION NUMBER: US 08/846,017  
/ FILING DATE: 25-APR-1997  
/ APPLICATION NUMBER: US 08/851,843  
/ FILING DATE: 06-MAY-1997  
/ APPLICATION NUMBER: US 08/854,050  
/ FILING DATE: 09-MAY-1997  
/ APPLICATION NUMBER: US 08/911,312  
/ FILING DATE: 14-AUG-1997  
/ APPLICATION NUMBER: US 08/912,951  
/ FILING DATE: 14-AUG-1997  
/ APPLICATION NUMBER: US 08/915,503  
/ FILING DATE: 14-AUG-1997  
/ APPLICATION NUMBER: WO PCT/US97/17618  
/ FILING DATE: 01-OCT-1997  
/ APPLICATION NUMBER: WO PCT/US97/17885  
/ FILING DATE: 01-OCT-1997  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Apple, Randolph Ted  
/ REGISTRATION NUMBER: 36,429  
/ REFERENCE/DOCKET NUMBER: 015389-002610US  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (415) 576-0200  
/ TELEFAX: (415) 576-0300  
/ INFORMATION FOR SEQ ID NO: 25:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 54 amino acids  
/ TYPE: amino acid  
/ STRANDEDNESS: <Unknown>  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ FEATURE:  
/ NAME/KEY: Peptide  
/ LOCATION: 1..54  
/ OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
/ Schizosaccharomyces pombe TRT tezip"  
/ SEQUENCE DESCRIPTION: SEQ ID NO: 25:  
US-10-877-146-25  
  
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Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 12 PAVIR 16  
| | | | |  
Db 14 PAVIR 18  
  
RESULT 87  
US-10-424-599-196397  
/ Sequence 196397, Application US/10424599  
/ Publication No. US20040031072A1  
/ GENERAL INFORMATION:  
/ APPLICANT: La Rosa Thomas J  
/ APPLICANT: Kovalic David K  
/ APPLICANT: Zhou Yihua  
/ APPLICANT: Cao Yongwei  
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
/ FILE REFERENCE: 38-21(53223)B  
/ CURRENT APPLICATION NUMBER: US/10/424,599  
/ CURRENT FILING DATE: 2003-04-28  
/ NUMBER OF SEQ ID NOS: 285684  
/ SEQ ID NO 196397  
/ LENGTH: 60  
/ TYPE: PRT  
/ ORGANISM: Glycine max  
/ FEATURE:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT3847\_19373C.1.pap  
US-10-424-599-196397  
  
Query Match 31.2%; Score 5; DB 4; Length 60;  
Best Local Similarity 100.0%; Pred. No. 4.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13  
Db 25 GKDPA 29

RESULT 88  
US-10-425-115-260655  
; Sequence 260655, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 260655  
; LENGTH: 61  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_169332C.1.pap  
US-10-425-115-260655

Query Match 31.2%; Score 5; DB 4; Length 61;  
Best Local Similarity 100.0%; Pred. No. 4.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 KDPAP 14  
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RESULT 89  
US-10-112-944-446  
; Sequence 446, Application US/10112944  
; Publication No. US20040048249A1  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Yang, Yonghong  
; APPLICANT: Weng, Gezhi  
; APPLICANT: Zhang, Jie  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Wang, Jian-Rui  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Ghosh, Malabika  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Zhao, Qing A.  
; APPLICANT: Wang, Zhiwei  
; TITLE OF INVENTION: No. US20040048249A1el Nucleic Acids and  
; TITLE OF INVENTION: Secreted Polypeptides  
; FILE REFERENCE: 805A  
; CURRENT APPLICATION NUMBER: US/10/112,944  
; CURRENT FILING DATE: 2002-03-28  
; PRIOR APPLICATION NUMBER: US 09/488,725  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: US 09/491,404  
; PRIOR FILING DATE: 2000-01-25  
; PRIOR APPLICATION NUMBER: US 09/496,914  
; PRIOR FILING DATE: 2000-02-03  
; PRIOR APPLICATION NUMBER: US 09/515,126  
; PRIOR FILING DATE: 2000-02-28  
; PRIOR APPLICATION NUMBER: US 09/519,705  
; PRIOR FILING DATE: 2000-03-07  
; PRIOR APPLICATION NUMBER: US 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: US 09/552,929

; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: US 09/577,408  
; PRIOR FILING DATE: 2000-05-18  
; NUMBER OF SEQ ID NOS: 924  
; SOFTWARE: pt\_FL\_genes Version 5.0  
; SEQ ID NO 446  
; LENGTH: 62  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-112-944-446

Query Match 31.2%; Score 5; DB 4; Length 62;  
Best Local Similarity 100.0%; Pred. No. 4.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP 12  
Db 54 EGKDP 58

RESULT 90  
US-10-370-715B-270  
; Sequence 270, Application US/10370715B  
; Publication No. US20040258678A1  
; GENERAL INFORMATION:  
; Patin Docket Preview  
; APPLICANT: BODARY, SARAH C.  
; APPLICANT: CLARK, HILLARY  
; APPLICANT: BRISDELL, HUNTE  
; APPLICANT: JACKMAN, JANET  
; APPLICANT: SCHOENFELD, JILL R.  
; APPLICANT: WILLIAMS, P. MICKEY  
; APPLICANT: WOOD, WILLIAM I.  
; APPLICANT: WU, THOMAS D.  
; TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune  
; TITLE OF INVENTION: Related Diseases  
; FILE REFERENCE: P1948R1-US  
; CURRENT APPLICATION NUMBER: US/10/370,715B  
; CURRENT FILING DATE: 2003-02-21  
; NUMBER OF SEQ ID NOS: 742  
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; LENGTH: 62  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-370-715B-270

Query Match 31.2%; Score 5; DB 5; Length 62;  
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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP 12  
Db 54 EGKDP 58

RESULT 91  
US-09-933-767-774  
; Sequence 774, Application US/09933767  
; Publication No. US20030181692A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: P2007P2  
; CURRENT APPLICATION NUMBER: US/09/933,767  
; CURRENT FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: PCT/US01/05614  
; PRIOR FILING DATE: 2001-02-21  
; PRIOR APPLICATION NUMBER: 60/184,836  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: 60/193,170  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: 09/205,258  
; PRIOR FILING DATE: 1998-12-04



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; PRIOR APPLICATION NUMBER: PCT/US98/11422  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/048,885  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/049,375  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,881  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,880  
; PRIOR FILING DATE: 1997-06-06  
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; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/049,020  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,876  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,895  
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; PRIOR APPLICATION NUMBER: 60/048,884  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/048,894  
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; PRIOR APPLICATION NUMBER: 60/048,878

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; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/068,054  
; PRIOR FILING DATE: 1997-12-18  
; PRIOR APPLICATION NUMBER: 60/068,064  
; PRIOR FILING DATE: 1997-12-18  
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; PRIOR APPLICATION NUMBER: 60/073,159  
; PRIOR FILING DATE: 1998-01-30  
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; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/073,164  
; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/085,925  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085,921  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085,923  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085,922  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/092,921  
; PRIOR FILING DATE: 1998-07-15  
; PRIOR APPLICATION NUMBER: 60/094,657  
; PRIOR FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1245  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 774  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-933-767-774  
  
Query Match 31.2%; Score 5; DB 3; Length 64;  
Best Local Similarity 100.0%; Pred. No. 4.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 9 GKDPA 13  
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Db 43 GKDPA 47  
  
RESULT 92  
US-10-004-860-774  
; Sequence 774, Application US/10004860  
; Publication No. US20030065160A1  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: PZ007P1  
; CURRENT APPLICATION NUMBER: US/10/004,860  
; CURRENT FILING DATE: 2001-12-07  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
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; LENGTH: 64  
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; ORGANISM: Homo sapiens  
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Db 43 GKDPA 47

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RESULT 93
US-10-023-282-774
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; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007P1
; CURRENT APPLICATION NUMBER: US/10/023,282
; CURRENT FILING DATE: 2001-12-20
; EARLIER APPLICATION NUMBER: 09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,876
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 774
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-023-282-774

Query Match          31.2%; Score 5; DB 4; Length 64;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches      5; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      9 GKDPA 13
      |||||
Db     43 GKDPA 47

RESULT 94
US-10-424-599-172408
; Sequence 172408, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 172408
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_126700C.1.pep
US-10-424-599-172408

Query Match          31.2%; Score 5; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches      5; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      7 FEKGD 11
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Db      6 FEKGD 10

RESULT 95
US-10-424-599-267091
; Sequence 267091, Application US/10424599
; Publication No. US20040031072A1
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; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J  
; APPLICANT: Kovalic, David K  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
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; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_83203C.1.pep  
US-10-424-599-267091

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; Sequence 255161, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
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Query Match 31.2%; Score 5; DB 4; Length 67;  
Best Local Similarity 100.0%; Pred. No. 5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
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; LENGTH: 68  
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; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
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; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
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; LENGTH: 68  
; TYPE: PRT  
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Query Match 31.2%; Score 5; DB 4; Length 68;  
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; Sequence 144047, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10/437,963

; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966

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; TYPE: PRT

; ORGANISM: Oryza sativa

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; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_44898C.1.pep

US-10-437-963-144047

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US-10-784-880-74

; Sequence 74, Application US/10784880

; Publication No. US20040208890A1

; GENERAL INFORMATION:

; APPLICANT: SUBTIL-SANDS, AGATHE

; APPLICANT: DAUTRY-VARSAT, ALICE

; TITLE OF INVENTION: SECRETED CHLAMYDIA POLYPEPTIDES, POLYNUCLEOTIDES CODING THEREFOR,

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES THEREOF

; FILE REFERENCE: 249179US0

; CURRENT APPLICATION NUMBER: US/10/784,880

; CURRENT FILING DATE: 2004-02-24

; PRIOR APPLICATION NUMBER: US 60/448,879

; PRIOR FILING DATE: 2003-02-24

; NUMBER OF SEQ ID NOS: 378

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 74

; LENGTH: 73

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; ORGANISM: Chlamydia pneumoniae

US-10-784-880-74

Query Match 31.2%; Score 5; DB 4; Length 73;  
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Db 55 DPAVI 59

Search completed: February 15, 2006, 09:57:31

Job time : 22.0533 secs

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:55 ; Search time 1.84889 Seconds  
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Perfect score: 16  
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Searched: 107799 seqs, 14211699 residues

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Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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7	5	31.2	283	6	US-10-467-657-4890		Sequence 4890, Ap
8	5	31.2	284	6	US-10-793-626-1426		Sequence 1426, Ap
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150     4      25.0      166      7      US-11-176-830-959      Sequence 959, App
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ALIGNMENTS

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; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pt SEQ_genes Version 1.0
; SEQ ID NO 1162
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Homo sapiens
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Best Local Similarity 100.0%; Pred.No. 0.0014;
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; Publication No. US20050282729A1
; GENERAL INFORMATION:
; APPLICANT: Hamilton, David W
; APPLICANT: Roberts, Kenneth P
; APPLICANT: Ensrud, Kathy M
; TITLE OF INVENTION: CRISP POLYPEPTIDES AS CONTRACEPTIVES AND INHIBITORS OF SPERM
; TITLE OF INVENTION: CAPACITATION
; FILE REFERENCE: 110.01860101
; CURRENT APPLICATION NUMBER: US/10/515,868
; CURRENT FILING DATE: 2004-11-24
; PRIOR APPLICATION NUMBER: 60/383,628
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: PCT/US03/166669
; PRIOR FILING DATE: 2003-05-28
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
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; TYPE: PRT
; ORGANISM: HOMOSAPIEN
US-10-515-868-4

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Db      20 EGKDPA 25

RESULT 3
US-10-506-443A-41
; Sequence 41, Application US/10506443A
; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-41

Query Match      37.5%; Score 6; DB 6; Length 243;
Best Local Similarity 100.0%; Pred.No. 3.8;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 8 EGKDP A 13  
| | | | |  
Db 20 EGKDP A 25

RESULT 4  
US-10-527-500-19  
; Sequence 19, Application US/10527500  
; Publication No. US20060004186A1  
; GENERAL INFORMATION:  
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS  
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND  
; APPLICANT: HUMAN SERVICES  
; APPLICANT: Valenzuela, Jesus G.  
; APPLICANT: Ribeiro, Jose M.C.  
; APPLICANT: Kamhawi, Shaden  
; APPLICANT: Belkaid, Yasmine  
; APPLICANT: Fischer, Laurent Bernard  
; APPLICANT: Audonnet, Jean-Cristophe  
; APPLICANT: Milward, Francis William  
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND  
; TITLE OF INVENTION: METHODS OF USE  
; FILE REFERENCE: 4239-66903-02  
; CURRENT APPLICATION NUMBER: US/10/527,500  
; PRIOR FILING DATE: 2005-03-11  
; PRIOR APPLICATION NUMBER: PCT/US2003/029833  
; PRIOR FILING DATE: 2003-09-18  
; PRIOR APPLICATION NUMBER: US 60/425,852  
; PRIOR FILING DATE: 2002-11-12  
; PRIOR APPLICATION NUMBER: US 60/412,327  
; PRIOR FILING DATE: 2002-09-19  
; NUMBER OF SEQ ID NOS: 87  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 19  
; LENGTH: 252  
; TYPE: PRT  
; ORGANISM: Phlebotomus ariasi  
US-10-527-500-19

Query Match 37.5%; Score 6; DB 6; Length 252;  
Best Local Similarity 100.0%; Pred. No. 3.9;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP A 13  
| | | | |  
Db 38 EGKDP A 43

RESULT 5  
US-10-821-234-1609  
; Sequence 1609, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt SEQ\_genes Version 1.0  
; SEQ ID NO 1609  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1609

Query Match 31.2%; Score 5; DB 6; Length 201;

Best Local Similarity 100.0%; Pred. No. 42;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGKD 11  
| | | | |  
Db 118 FEGKD 122

RESULT 6  
US-10-515-868-5  
; Sequence 5, Application US/10515868  
; Publication No. US20050282729A1  
; GENERAL INFORMATION:  
; APPLICANT: Hamilton, David W  
; APPLICANT: Roberts, Kenneth P  
; APPLICANT: Ensrud, Kathy M  
; TITLE OF INVENTION: CRISP POLYPEPTIDES AS CONTRACEPTIVES AND INHIBITORS OF SPERM  
; TITLE OF INVENTION: CAPACITATION  
; FILE REFERENCE: 110.01860101  
; CURRENT APPLICATION NUMBER: US/10/515,868  
; CURRENT FILING DATE: 2004-11-24  
; PRIOR APPLICATION NUMBER: 60/383,628  
; PRIOR FILING DATE: 2002-05-28  
; PRIOR APPLICATION NUMBER: PCT/US03/16669  
; PRIOR FILING DATE: 2003-05-28  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5  
; LENGTH: 243  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-10-515-868-5

Query Match 31.2%; Score 5; DB 6; Length 243;  
Best Local Similarity 100.0%; Pred. No. 50;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 EGKDP 12  
| | | | |  
Db 21 EGKDP 25

RESULT 7  
US-10-467-657-4890  
; Sequence 4890, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 4890  
; LENGTH: 283  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-4890

Query Match 31.2%; Score 5; DB 6; Length 283;  
Best Local Similarity 100.0%; Pred. No. 57;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDP A 13  
| | | | |  
Db 123 GKDP A 127



```
RESULT 8
US-10-793-626-1426
; Sequence 1426, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1426
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1426

Query Match          31.2%; Score 5; DB 6; Length 284;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
        |||||
Db       93 KDPVAV 97

RESULT 9
US-10-793-626-2790
; Sequence 2790, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2790
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2790

Query Match          31.2%; Score 5; DB 6; Length 284;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
        |||||
Db       93 KDPVAV 97

RESULT 10
US-10-821-234-1379
; Sequence 1379, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
```

```
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1379
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1379

Query Match          31.2%; Score 5; DB 6; Length 347;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
        |||||
Db       23 DPAVI 27

RESULT 11
US-10-517-939-248
; Sequence 248, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 248
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-517-939-248

Query Match          31.2%; Score 5; DB 6; Length 347;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEGKD 11
        |||||
Db       87 FEGKD 91

RESULT 12
US-10-674-767-4
; Sequence 4, Application US/10674767
; Publication No. US20050251875A1
; GENERAL INFORMATION:
; APPLICANT: DellaPenna, Dean
; APPLICANT: Shintani, David K.
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH TOCOPHEROL
```

```

;
; METHYLTRANSFERASE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/674,767
; FILING DATE: 30-Sep-2003
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/118,637A
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 920905.90024
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-674-767-4

Query Match          31.2%; Score 5; DB 6; Length 348;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      296 PAVIR 300

RESULT 13
US-10-517-939-112
; Sequence 112, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Unknown
;
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
US-10-517-939-136
Query Match          31.2%; Score 5; DB 6; Length 389;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEGKD 11
      |||||
Db      124 FEGKD 128

RESULT 15
US-11-087-100-20
; Sequence 20, Application US/11087100
; Publication No. US2005026640A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
;
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
US-10-517-939-136
Query Match          31.2%; Score 5; DB 6; Length 389;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEGKD 11
      |||||
Db      124 FEGKD 128

RESULT 15
US-11-087-100-20
; Sequence 20, Application US/11087100
; Publication No. US2005026640A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
;
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
US-10-517-939-136
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;
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
US-10-517-939-112
Query Match          31.2%; Score 5; DB 6; Length 362;
Best Local Similarity 100.0%; Pred. No. 70;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
      |||||
Db      35 GKDPA 39

RESULT 14
US-10-517-939-136
; Sequence 136, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
US-10-517-939-136
Query Match          31.2%; Score 5; DB 6; Length 389;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEGKD 11
      |||||
Db      124 FEGKD 128

RESULT 15
US-11-087-100-20
; Sequence 20, Application US/11087100
; Publication No. US2005026640A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Flatt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
;
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(25)
US-10-517-939-136
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; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-20

Query Match          31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 16
US-11-087-100-28
; Sequence 28, Application US/11087100
; Publication No. US2005026640A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-28

Query Match          31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355
```

```
Db          351 CFEKG 355
           |||||
RESULT 17
US-11-087-084-20
; Sequence 20, Application US/11087084
; Publication No. US20050273883A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-084-20

Query Match          31.2%; Score 5; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 18
US-11-087-084-28
; Sequence 28, Application US/11087084
; Publication No. US20050273883A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-20
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; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 28  
; LENGTH: 450  
; TYPE: PRT  
; ORGANISM: Schizochytrium sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (370)..(370)  
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (371)..(371)  
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.  
US-11-087-084-28

Query Match 31.2%; Score 5; DB 7; Length 450;  
Best Local Similarity 100.0%; Pred. No. 85;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CFEGK 10  
|||||  
Db 351 CFEGK 355

## RESULT 19

US-11-087-085-20  
; Sequence 20, Application US/11087085  
; Publication No. US20050273884A1  
; GENERAL INFORMATION:  
; APPLICANT: Metz, James  
; APPLICANT: Barclay, William  
; APPLICANT: Platt, James  
; APPLICANT: Kuner, Jerry  
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase  
; TITLE OF INVENTION: System and Uses Thereof  
; FILE REFERENCE: 2997-29  
; CURRENT APPLICATION NUMBER: US/11/087,085  
; CURRENT FILING DATE: 2005-03-21  
; PRIOR APPLICATION NUMBER: 09/231,899  
; PRIOR FILING DATE: 1999-01-14  
; PRIOR APPLICATION NUMBER: 60/284,066  
; PRIOR FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: 60/298,796  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: 60/323,269  
; PRIOR FILING DATE: 2001-09-18  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 20  
; LENGTH: 450  
; TYPE: PRT  
; ORGANISM: Schizochytrium sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (370)..(370)  
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (371)..(371)  
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.  
US-11-087-085-20

Query Match 31.2%; Score 5; DB 7; Length 450;  
Best Local Similarity 100.0%; Pred. No. 85;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CFEGK 10  
|||||  
Db 351 CFEGK 355

## RESULT 20

US-11-087-085-28  
; Sequence 28, Application US/11087085  
; Publication No. US20050273884A1  
; GENERAL INFORMATION:  
; APPLICANT: Metz, James  
; APPLICANT: Barclay, William  
; APPLICANT: Platt, James  
; APPLICANT: Kuner, Jerry  
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase  
; TITLE OF INVENTION: System and Uses Thereof  
; FILE REFERENCE: 2997-29  
; CURRENT APPLICATION NUMBER: US/11/087,085  
; CURRENT FILING DATE: 2005-03-21  
; PRIOR APPLICATION NUMBER: 09/231,899  
; PRIOR FILING DATE: 1999-01-14  
; PRIOR APPLICATION NUMBER: 60/284,066  
; PRIOR FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: 60/298,796  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: 60/323,269  
; PRIOR FILING DATE: 2001-09-18  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 28  
; LENGTH: 450  
; TYPE: PRT  
; ORGANISM: Schizochytrium sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (370)..(370)  
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (371)..(371)  
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.  
US-11-087-085-28

Query Match 31.2%; Score 5; DB 7; Length 450;  
Best Local Similarity 100.0%; Pred. No. 85;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CFEGK 10  
|||||  
Db 351 CFEGK 355

## RESULT 21

US-10-858-730-5  
; Sequence 5, Application US/10858730  
; Publication No. US20050255568A1  
; GENERAL INFORMATION:  
; APPLICANT: Bailey, Richard B.  
; APPLICANT: Blomquist, Paul  
; APPLICANT: Doten, Reed  
; APPLICANT: Driggers, Edward M.  
; APPLICANT: Madden, Kevin T.  
; APPLICANT: O'Leary, Jessica  
; APPLICANT: O'Toole, George  
; APPLICANT: Trueheart, Joshua  
; APPLICANT: Walbridge, Michael J.  
; APPLICANT: Yorgey, Peter S.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID  
; TITLE OF INVENTION: PRODUCTION  
; FILE REFERENCE: 14184-030001  
; CURRENT APPLICATION NUMBER: US/10/858,730  
; CURRENT FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: US 60/475,000  
; PRIOR FILING DATE: 2003-05-30  
; PRIOR APPLICATION NUMBER: US 60/551,860  
; PRIOR FILING DATE: 2004-03-10  
; NUMBER OF SEQ ID NOS: 364  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 5

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; LENGTH: 454
; TYPE: PRT
; ORGANISM: Erwinia chrysanthemi
US-10-858-730-5

Query Match      31.2%; Score 5; DB 6; Length 454;
Best Local Similarity 100.0%; Pred.No. 85;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
Db      86 PAVIR 90

RESULT 22
US-10-467-657-1804
; Sequence 1804, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1804
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1804

Query Match      31.2%; Score 5; DB 6; Length 492;
Best Local Similarity 100.0%; Pred.No. 91;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
Db      475 KDPV 479

RESULT 23
US-10-506-448A-2
; Sequence 2, Application US/10506448A
; Publication No. US20060031965A1
; GENERAL INFORMATION:
; APPLICANT: Plantecno S.r.l.
; APPLICANT: Plantecno S.r.l.
; TITLE OF INVENTION: IN-SEED LYSOSOMAL ENZYMES
; FILE REFERENCE: BW266R/RVP/rmp
; CURRENT APPLICATION NUMBER: US/10/506,448A
; CURRENT FILING DATE: 2004-09-01
; PRIOR APPLICATION NUMBER: RM2002A000115
; PRIOR FILING DATE: 2002-01-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-448A-2

Query Match      31.2%; Score 5; DB 6; Length 516;
Best Local Similarity 100.0%; Pred.No. 95;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
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```
Db      492 KDPV 496

RESULT 24
US-11-183-205-24
; Sequence 24, Application US/11183205
; Publication No. US20060030521A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: DeFrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Bowe, Caryn
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; TITLE OF INVENTION: REMODELING AND GLYCOCONJUGATION OF PEPTIDES
; FILE REFERENCE: 040853-01-5052-US01
; CURRENT APPLICATION NUMBER: US/11/183,205
; CURRENT FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US 11/183,205
; PRIOR FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US 60/334,233
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/334,301
; PRIOR FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: PCT/US2002/032263
; PRIOR FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: US 10/287,994
; PRIOR FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-183-205-24

Query Match      31.2%; Score 5; DB 7; Length 536;
Best Local Similarity 100.0%; Pred.No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
Db      512 KDPV 516

RESULT 25
US-11-113-424-54
; Sequence 54, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
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; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 1045
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-54
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Query Match      31.2%; Score 5; DB 7; Length 1045;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      9 GKDPA 13
      |||||
Db      722 GKDPA 726
```

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RESULT 26
US-10-131-826A-358
; Sequence 358, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
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; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 358
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-131-826A-358
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Query Match      31.2%; Score 5; DB 6; Length 1049;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      10 KDPV 14
      |||||
Db      900 KDPV 904
```

```
RESULT 27
US-10-821-234-1097
; Sequence 1097, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt SEQ_genes Version 1.0
; SEQ ID NO 1097
; LENGTH: 1094
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1097
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Query Match      31.2%; Score 5; DB 6; Length 1094;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      9 GKDPA 13
      |||||
Db      771 GKDPA 775
```

```
RESULT 28
US-11-087-100-4
; Sequence 4, Application US/11087100
; Publication No. US20050266440A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,100
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
```

```

; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 29
US-11-087-084-4
; Sequence 4, Application US/11087084
; Publication No. US20050273883A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 30
US-11-087-085-4
; Sequence 4, Application US/11087085
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,085
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 31
US-11-096-051-4
; Sequence 4, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 2376
; TYPE: PRT
; ORGANISM: Homo sapiens
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```

; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-100-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 29
US-11-087-084-4
; Sequence 4, Application US/11087084
; Publication No. US20050273883A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,084
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-084-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 30
US-11-087-085-4
; Sequence 4, Application US/11087085
; Publication No. US20050273884A1
; GENERAL INFORMATION:
; APPLICANT: Metz, James
; APPLICANT: Barclay, William
; APPLICANT: Platt, James
; APPLICANT: Kuner, Jerry
; TITLE OF INVENTION: Nucleic Acid Molecule Encoding ORFA of a PUFA Polyketide Synthase
; TITLE OF INVENTION: System and Uses Thereof
; FILE REFERENCE: 2997-29
; CURRENT APPLICATION NUMBER: US/11/087,085
; CURRENT FILING DATE: 2005-03-21
; PRIOR APPLICATION NUMBER: 09/231,899
; PRIOR FILING DATE: 1999-01-14
; PRIOR APPLICATION NUMBER: 60/284,066
; PRIOR FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/298,796
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/323,269
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 2059
; TYPE: PRT
; ORGANISM: Schizochytrium sp.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(370)
; OTHER INFORMATION: The 'Xaa' at location 370 stands for Leu.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (371)..(371)
; OTHER INFORMATION: The 'Xaa' at location 371 stands for Ala, or Val.
US-11-087-085-4

Query Match          31.2%; Score 5; DB 7; Length 2059;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          6 CFEKG 10
           |||||
Db          351 CFEKG 355

RESULT 31
US-11-096-051-4
; Sequence 4, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 2376
; TYPE: PRT
; ORGANISM: Homo sapiens
```



```
US-11-096-051-4
;
; Query Match          31.2%; Score 5; DB 7; Length 2376;
; Best Local Similarity 100.0%; Pred. No. 3.6e+02;
; Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
      |||||
Db      2053 GKDPA 2057

RESULT 32
US-11-096-051-2
; Sequence 2, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 2
; LENGTH: 2715
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-2

Query Match          31.2%; Score 5; DB 7; Length 2715;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
      |||||
Db      2392 GKDPA 2396

US-11-096-051-2
; Sequence 51, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
```

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US-11-096-051-4
;
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 2715
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-113-424-51

Query Match          31.2%; Score 5; DB 7; Length 2715;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
      |||||
Db      2392 GKDPA 2396

US-11-096-051-10
; Sequence 10, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 10/455,772
; PRIOR FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 60/557,978
; PRIOR FILING DATE: 2004-03-30
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 10
; LENGTH: 2721
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-096-051-10

Query Match          31.2%; Score 5; DB 7; Length 2721;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
      |||||
Db      2398 GKDPA 2402

US-11-096-051-8
; Sequence 8, Application US/11096051
; Publication No. US20050244868A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacLachlan, Timothy K
; APPLICANT: Rastelli, Luca
; APPLICANT: Vernet, Corine
; APPLICANT: Ettenberg, Seth
; TITLE OF INVENTION: Ten-M3 Polypeptides and Polynucleotides and their Methods of Use
; FILE REFERENCE: Attorney Docket No. Cura 967
; CURRENT APPLICATION NUMBER: US/11/096,051
; CURRENT FILING DATE: 2005-03-30
; PRIOR APPLICATION NUMBER: 10/038,854
; PRIOR FILING DATE: 2001-12-31
```

; PRIOR APPLICATION NUMBER: 10/455,772  
; PRIOR FILING DATE: 2003-06-04  
; PRIOR APPLICATION NUMBER: 60/557,978  
; PRIOR FILING DATE: 2004-03-30  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: CuraSeqList version 0.1  
; SEQ ID NO 8  
; LENGTH: 2725  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-096-051-8

Query Match 31.2%; Score 5; DB 7; Length 2725;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13  
Db 2402 GKDPA 2406

RESULT 36  
US-11-032-773-272  
; Sequence 272, Application US/11032773  
; Publication No. US20060018911A1  
; GENERAL INFORMATION:  
; APPLICANT: Ault-Riche, Dana  
; APPLICANT: Levy, Ronald  
; TITLE OF INVENTION: DESIGN OF THERAPEUTICS AND THERAPEUTICS  
; FILE REFERENCE: 17102-013001 / 1762  
; CURRENT APPLICATION NUMBER: US/11/032,773  
; CURRENT FILING DATE: 2005-01-11  
; PRIOR APPLICATION NUMBER: 60/536,184  
; PRIOR FILING DATE: 2004-01-12  
; PRIOR APPLICATION NUMBER: 60/557,591  
; PRIOR FILING DATE: 2004-03-29  
; NUMBER OF SEQ ID NOS: 958  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 272  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-11-032-773-272

Query Match 25.0%; Score 4; DB 7; Length 6;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGK 10  
Db 3 FEGK 6

RESULT 37  
US-10-116-788A-19  
; Sequence 19, Application US/10116788A  
; Publication No. US20060024804A9  
; GENERAL INFORMATION:  
; APPLICANT: McDonald, Thomas L.  
; APPLICANT: Larson, Marilyn A.  
; APPLICANT: Weber, Annika  
; TITLE OF INVENTION: Genomic Mammary Amyloid A Sequence  
; FILE REFERENCE: P04557US1  
; CURRENT APPLICATION NUMBER: US/10/116,788A  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 09/425,679  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/218,482  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: 60/218,611  
; PRIOR FILING DATE: 2000-07-17

; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: carboxy terminal residues of colostrum SAA used to design primers  
US-10-116-788A-19

Query Match 25.0%; Score 4; DB 6; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDP 12  
Db 2 GKDP 5

RESULT 38  
US-10-116-788A-26  
; Sequence 26, Application US/10116788A  
; Publication No. US20060024804A9  
; GENERAL INFORMATION:  
; APPLICANT: McDonald, Thomas L.  
; APPLICANT: Larson, Marilyn A.  
; APPLICANT: Weber, Annika  
; TITLE OF INVENTION: Genomic Mammary Amyloid A Sequence  
; FILE REFERENCE: P04557US1  
; CURRENT APPLICATION NUMBER: US/10/116,788A  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 09/425,679  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/218,482  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: 60/218,611  
; PRIOR FILING DATE: 2000-07-17  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: sequence used to design SAA specific primer  
US-10-116-788A-26

Query Match 25.0%; Score 4; DB 6; Length 8;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDP 12  
Db 2 GKDP 5

RESULT 39  
US-10-510-101-81  
; Sequence 81, Application US/10510101  
; Publication No. US20060018915A1  
; GENERAL INFORMATION:  
; APPLICANT: Epimmune Inc.  
; APPLICANT: Ishioka, Glenn  
; APPLICANT: Fikes, John  
; APPLICANT: Tangri, Shabnam  
; APPLICANT: Sette, Alessandro  
; TITLE OF INVENTION: Heteroclitic Analogs and Related Methods  
; FILE REFERENCE: 2060.009PC05  
; CURRENT APPLICATION NUMBER: US/10/510,101  
; CURRENT FILING DATE: 2004-10-05  
; PRIOR APPLICATION NUMBER: US 60/413,471  
; PRIOR FILING DATE: 2002-09-26  
; PRIOR APPLICATION NUMBER: US 10/116,118

; PRIOR FILING DATE: 2002-04-05  
; NUMBER OF SEQ ID NOS: 196  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 81  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide derived from Homo sapiens melanoma antigens  
US-10-510-101-81

Query Match 25.0%; Score 4; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGK 10  
|||||  
Db 6 FEGK 9

RESULT 40  
US-10-510-101-85  
; Sequence 85, Application US/10510101  
; Publication No. US20060018915A1  
; GENERAL INFORMATION:  
; APPLICANT: Epimmune Inc.  
; APPLICANT: Ishioka, Glenn  
; APPLICANT: Fikes, John  
; APPLICANT: Tangri, Shabnam  
; APPLICANT: Sette, Alessandro  
; TITLE OF INVENTION: Heteroclitic Analogs and Related Methods  
; FILE REFERENCE: 2060.009PC05  
; CURRENT APPLICATION NUMBER: US/10/510,101  
; PRIOR FILING DATE: 2004-10-05  
; PRIOR FILING DATE: 2002-09-26  
; PRIOR FILING DATE: 2002-04-05  
; PRIOR FILING DATE: 2002-04-05  
; NUMBER OF SEQ ID NOS: 196  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 85  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide derived from Homo sapiens melanoma antigens  
US-10-510-101-85

Query Match 25.0%; Score 4; DB 6; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGK 10  
|||||  
Db 6 FEGK 9

RESULT 41  
US-11-073-347-67  
; Sequence 67, Application US/11073347  
; Publication No. US2005026023A1  
; GENERAL INFORMATION:  
; APPLICANT: SIMARD, John J. L.  
; APPLICANT: DIAMOND, David C.  
; TITLE OF INVENTION: ANTI-NEOVASCULATURE PREPARATIONS FOR  
; FILE REFERENCE: MANK.015C1  
; CURRENT APPLICATION NUMBER: US/11/073,347  
; CURRENT FILING DATE: 2005-03-04  
; PRIOR FILING DATE: 2002-03-07  
; PRIOR FILING DATE: 2002-03-07  
; PRIOR FILING DATE: 2001-03-07

; NUMBER OF SEQ ID NOS: 159  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 67  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-11-073-347-67

Query Match 25.0%; Score 4; DB 7; Length 9;  
Best Local Similarity 100.0%; Pred. No. 7.7e+04;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGK 10  
|||||  
Db 3 FEGK 6

RESULT 42  
US-11-073-347-68  
; Sequence 68, Application US/11073347  
; Publication No. US2005026023A1  
; GENERAL INFORMATION:  
; APPLICANT: SIMARD, John J. L.  
; APPLICANT: DIAMOND, David C.  
; TITLE OF INVENTION: ANTI-NEOVASCULATURE PREPARATIONS FOR  
; FILE REFERENCE: MANK.015C1  
; CURRENT APPLICATION NUMBER: US/11/073,347  
; CURRENT FILING DATE: 2005-03-04  
; PRIOR FILING DATE: 2002-03-07  
; PRIOR FILING DATE: 2002-03-07  
; PRIOR FILING DATE: 2001-03-07  
; NUMBER OF SEQ ID NOS: 159  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 68  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-11-073-347-68

Query Match 25.0%; Score 4; DB 7; Length 10;  
Best Local Similarity 100.0%; Pred. No. 41;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGK 10  
|||||  
Db 4 FEGK 7

RESULT 43  
US-10-201-525-34  
; Sequence 34, Application US/10201525  
; Publication No. US20060009631A1  
; GENERAL INFORMATION:  
; APPLICANT: Board of Regents of the University of Oklahoma  
; TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERASES AND METHODS OF USE THEREOF  
; FILE REFERENCE: 5827.005  
; CURRENT APPLICATION NUMBER: US/10/201,525  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR FILING DATE: 2002-07-22  
; PRIOR FILING DATE: 2001-02-16  
; PRIOR FILING DATE: 1999-07-23  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 34  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: HPC4 epitope  
US-10-201-525-34

```

Query Match      25.0%; Score 4; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDP 12
Db      12 GKDP 15

RESULT 44
US-11-045-024-13455
; Sequence 13455, Application US/11045024
; Publication No. US20050271676A1
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Livingston, Brian
; APPLICANT: Chesnut, Robert
; APPLICANT: Baker, Denise Marie
; APPLICANT: Celis, Esteban
; APPLICANT: Kubo, Ralph
; APPLICANT: Grey, Howard M.
; APPLICANT: Epimmune Inc.
; TITLE OF INVENTION: Inducing Cellular Responses to Human Immunodeficiency
; TITLE OF INVENTION: Virus-1 Using Peptide and Nucleic Acid Compositions
; FILE REFERENCE: 2060.0040007
; CURRENT APPLICATION NUMBER: US/11/045,024
; CURRENT FILING DATE: 2005-01-28
; PRIOR APPLICATION NUMBER: US 09/412,863
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: US 08/027,146
; PRIOR FILING DATE: 1993-03-05
; PRIOR APPLICATION NUMBER: US 08/073,205
; PRIOR FILING DATE: 1993-06-04
; PRIOR APPLICATION NUMBER: US 08/103,396
; PRIOR FILING DATE: 1993-08-06
; PRIOR APPLICATION NUMBER: US 08/159,184
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/159,339
; PRIOR FILING DATE: 1993-11-29
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; PRIOR APPLICATION NUMBER: US 08/347,610
; PRIOR FILING DATE: 1994-12-01
; NUMBER OF SEQ ID NOS: 14528
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13455
; LENGTH: 15
; TYPE: PRT
; ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
US-11-045-024-13455

Query Match      25.0%; Score 4; DB 7; Length 15;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
Db      11 DPAV 14

RESULT 45
US-10-201-525-40
; Sequence 40, Application US/10201525
; Publication No. US20060009631A1
; GENERAL INFORMATION:
; APPLICANT: Board of Regents of the University of Oklahoma
; TITLE OF INVENTION: TYROSYLPROTEIN SULFOTRANSFERASES AND METHODS OF USE THEREOF
; FILE REFERENCE: 5827.005
; CURRENT APPLICATION NUMBER: US/10/201,525
; CURRENT FILING DATE: 2002-07-22
;

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; PRIOR APPLICATION NUMBER: 09/785,343
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: PCT/US99/16750
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 40
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: N-terminus of recombinant soluble enzymes
US-10-201-525-40

Query Match      25.0%; Score 4; DB 6; Length 16;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDP 12
Db      11 GKDP 14

RESULT 46
US-10-116-788A-8
; Sequence 8, Application US/10116788A
; Publication No. US20060024804A9
; GENERAL INFORMATION:
; APPLICANT: McDonald, Thomas L.
; APPLICANT: Larson, Marilyn A.
; APPLICANT: Weber, Annika
; TITLE OF INVENTION: Genomic Mammary Amyloid A Sequence
; FILE REFERENCE: P04557US1
; CURRENT APPLICATION NUMBER: US/10/116,788A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 09/425,679
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/218,482
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/218,611
; PRIOR FILING DATE: 2000-07-17
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Equus caballus
US-10-116-788A-8

Query Match      25.0%; Score 4; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDP 12
Db      2 GKDP 5

RESULT 47
US-10-509-787A-23
; Sequence 23, Application US/10509787A
; Publication No. US20050287602A1
; GENERAL INFORMATION:
; APPLICANT: O'DOWD, BRIAN F.
; APPLICANT: GEORGE, SUSAN R.
; TITLE OF INVENTION: METHOD OF IDENTIFYING TRANSMEMBRANE PROTEIN-INTERACTING COMPOUNDS
; FILE REFERENCE: 3477-110
; CURRENT APPLICATION NUMBER: US/10/509,787A
; CURRENT FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: PCT/CA03/00542
; PRIOR FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: 60/442,556
; PRIOR FILING DATE: 2003-01-27
;

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; PRIOR APPLICATION NUMBER: 60/422,891
; PRIOR FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: 60/387,570
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 60/379,419
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 60/371,704
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthesized
US-10-509-787A-23

Query Match 25.0%; Score 4; DB 6; Length 18;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 AVIR 16
|||||
Db 5 AVIR 8

RESULT 48
US-11-116-203-36
; Sequence 36, Application US/11116203
; Publication No. US20060024669A1
; GENERAL INFORMATION:
; APPLICANT: BOGOCH, SAMUEL
; APPLICANT: BOGOCH, ELENORE S.
; TITLE OF INVENTION: SYSTEM AND METHOD FOR IDENTIFYING COMPLEX PATTERNS OF
; TITLE OF INVENTION: AMINO ACIDS
; FILE REFERENCE: 09425/47002
; CURRENT APPLICATION NUMBER: US/11/116,203
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: 60/653,083
; PRIOR FILING DATE: 2005-02-16
; PRIOR APPLICATION NUMBER: 60/565,847
; PRIOR FILING DATE: 2004-04-28
; PRIOR APPLICATION NUMBER: 10/860,050
; PRIOR FILING DATE: 2004-06-04
; PRIOR APPLICATION NUMBER: 10/189,437
; PRIOR FILING DATE: 2002-07-08
; PRIOR APPLICATION NUMBER: 10/105,232
; PRIOR FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 36
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Influenza virus
US-11-116-203-36

Query Match 25.0%; Score 4; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 KDKA 13
|||||
Db 8 KDKA 11

RESULT 49
US-10-939-890-520
; Sequence 520, Application US/10939890
; Publication No. US20050250700A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Sexton, Daniel J.

; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Ladner, Robert C.
; APPLICANT: Arbogast, Christophe
; APPLICANT: Bussat, Philippe
; APPLICANT: Fan, Hong
; APPLICANT: Khurana, Sudha
; APPLICANT: Linder, Karen E.
; APPLICANT: Marinelli, Edmund R.
; APPLICANT: Nanjappan, Palaniappa
; APPLICANT: Nunn, Adrian D.
; APPLICANT: Pillai, Radhakrishna
; APPLICANT: Pochon, Sibylle
; APPLICANT: Ramalingam, Kondareddiar
; APPLICANT: Shrivastava, Ajay
; APPLICANT: Song, Bo
; APPLICANT: Swenson, Rolf E.
; APPLICANT: Von Wronski, Mathew A.
; TITLE OF INVENTION: KDR AND VEGF/KDR BINDING PEPTIDES
; FILE REFERENCE: D0617.70014US00
; CURRENT APPLICATION NUMBER: US/10/939,890
; CURRENT FILING DATE: 2004-09-13
; PRIOR APPLICATION NUMBER: US 10/661,156
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: US 10/382,082
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: PCT/US03/06731
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/440,411
; PRIOR FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 60/360,851
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 883
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 520
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Library Isolate
US-10-939-890-520

Query Match 25.0%; Score 4; DB 6; Length 21;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CFEG 9
|||||
Db 6 CFEG 9

RESULT 50
US-11-170-653-4
; Sequence 4, Application US/11170653
; Publication No. US20050271769A1
; GENERAL INFORMATION:
; APPLICANT: Danisco A/S
; APPLICANT: Sibbesen, Ole
; APPLICANT: Sorensen, Jens
; TITLE OF INVENTION: Xylanase Variants Having Altered Sensitivity to Xylanase Inhibitor
; FILE REFERENCE: 674509-2046
; CURRENT APPLICATION NUMBER: US/11/170,653
; CURRENT FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/10/237,386
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: PCT/IB01/00426
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: GB 0005585.5
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: GB 0015751.1
; PRIOR FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4

```
; LENGTH: 21
; TYPE: PRT
; ORGANISM: Wheat
US-11-170-653-4

Query Match      25.0%; Score 4; DB 7; Length 21;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDKA 13
Db      9 KDKA 12

RESULT 51
US-11-166-412-205
; Sequence 205, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 205
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-205

Query Match      25.0%; Score 4; DB 7; Length 23;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      13 AVIR 16
Db      19 AVIR 22

RESULT 52
US-11-098-674-6
; Sequence 6, Application US/11098674
; Publication No. US20050267029A1
; GENERAL INFORMATION:
; APPLICANT: Ancsin, John B.
; APPLICANT: Elimova, Elena
; APPLICANT: Kisilevsky, Robert
; TITLE OF INVENTION: Compounds which Modulate Amyloidogenesis and Methods for Their
; FILE REFERENCE: PTQ-0066
; CURRENT APPLICATION NUMBER: US/11/098,674
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US 60/559,122
; PRIOR FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-098-674-6
```

```
Query Match      25.0%; Score 4; DB 7; Length 27;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDP 12
Db      12 GKDP 15

RESULT 53
US-11-098-674-9
; Sequence 9, Application US/11098674
; Publication No. US20050267029A1
; GENERAL INFORMATION:
; APPLICANT: Ancsin, John B.
; APPLICANT: Elimova, Elena
; APPLICANT: Kisilevsky, Robert
; TITLE OF INVENTION: Compounds which Modulate Amyloidogenesis and Methods for Their
; FILE REFERENCE: PTQ-0066
; CURRENT APPLICATION NUMBER: US/11/098,674
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US 60/559,122
; PRIOR FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-098-674-9

Query Match      25.0%; Score 4; DB 7; Length 27;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDP 12
Db      12 GKDP 15

RESULT 54
US-11-098-674-20
; Sequence 20, Application US/11098674
; Publication No. US20050267029A1
; GENERAL INFORMATION:
; APPLICANT: Ancsin, John B.
; APPLICANT: Elimova, Elena
; APPLICANT: Kisilevsky, Robert
; TITLE OF INVENTION: Compounds which Modulate Amyloidogenesis and Methods for Their
; FILE REFERENCE: PTQ-0066
; CURRENT APPLICATION NUMBER: US/11/098,674
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: US 60/559,122
; PRIOR FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-098-674-20

Query Match      25.0%; Score 4; DB 7; Length 27;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDP 12
Db      12 GKDP 15
```

```
RESULT 55
US-11-110-274-317
; Sequence 317, Application US/11110274
; Publication No. US20050266502A1
; GENERAL INFORMATION:
; APPLICANT: Merchiers, Pascal G.
; APPLICANT: Hoffmann, Marcel
; APPLICANT: Spittaels, Koenraad F. F.
; TITLE OF INVENTION: Methods, Compositions and Compound Assays for Inhibiting
; TITLE OF INVENTION: Amyloid-Beta Protein Production
; FILE REFERENCE: P27,697-A USA
; CURRENT APPLICATION NUMBER: US/11/110,274
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US 60/563,661
; PRIOR FILING DATE: 2004-04-20
; NUMBER OF SEQ ID NOS: 620
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 317
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-110-274-317
```

```
Query Match      25.0%; Score 4; DB 7; Length 32;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 DPAV 14
          ||||
Db       7 DPAV 10
```

```
RESULT 56
US-10-467-657-6192
; Sequence 6192, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6192
; LENGTH: 33
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6192
```

```
Query Match      25.0%; Score 4; DB 6; Length 33;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      13 AVIR 16
          ||||
Db       9 AVIR 12
```

```
RESULT 57
US-11-129-861-8
; Sequence 8, Application US/11129861
; Publication No. US20060031956A1
; GENERAL INFORMATION:
; APPLICANT: Kurachi, Kotoku
```

```
; APPLICANT: Kurachi, Sumiko
; TITLE OF INVENTION: Nucleotide Sequences for Gene Regulation and Methods of
; TITLE OF INVENTION: Use Thereof
; FILE REFERENCE: UM-03603
; CURRENT APPLICATION NUMBER: US/11/129,861
; CURRENT FILING DATE: 2005-05-16
; PRIOR APPLICATION NUMBER: US/09/328,925
; PRIOR FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-129-861-8
```

```
Query Match      25.0%; Score 4; DB 7; Length 38;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY       7 FEGK 10
          ||||
Db        31 FEGK 34
```

```
RESULT 58
US-10-916-827-11
; Sequence 11, Application US/10916827
; Publication No. US20050287540A1
; GENERAL INFORMATION:
; APPLICANT: The Government Of the United States Of America as represented by the
; APPLICANT: Department Of Human Services
; APPLICANT: Murphy, Brian R.
; APPLICANT: Collins, Peter L.
; APPLICANT: Durbin, Anna P.
; APPLICANT: Skiadopoulos, Mario
; TITLE OF INVENTION: Production Of Attenuated Negative Stranded RNA Virus Vaccines Fr
; TITLE OF INVENTION: Nucleotide Sequences
; FILE REFERENCE: NIH-0208
; CURRENT APPLICATION NUMBER: US/10/916,827
; CURRENT FILING DATE: 2004-08-11
; PRIOR APPLICATION NUMBER: 60/129,006
; PRIOR FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: PCT/US00/09,695
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Sendai virus
US-10-916-827-11
```

```
Query Match      25.0%; Score 4; DB 6; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY       11 DPAV 14
          ||||
Db        33 DPAV 36
```

```
RESULT 59
US-10-467-657-1600
; Sequence 1600, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
```



FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 1600  
; LENGTH: 54  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-1600

Query Match 25.0%; Score 4; DB 6; Length 54;  
Best Local Similarity 100.0%; Pred.No. 1.8e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 AVIR 16  
|||  
Db 20 AVIR 23

## RESULT 60

US-11-000-463-781  
; Sequence 781, Application US/11000463  
; Publication No. US20050266423A1  
; GENERAL INFORMATION:

; APPLICANT: Tang, Y Tom  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Chen, Rui-hong  
; APPLICANT: Qian, Xiaohong B.  
; APPLICANT: Wang, Zhiwei  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Zhang, Jie  
; APPLICANT: Zhou, Ping  
; APPLICANT: Cao, Yi-Cheng  
; APPLICANT: Drmanac, Radoje T.  
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides  
; FILE REFERENCE: 785CIP4CN  
; CURRENT APPLICATION NUMBER: US/11/000,463  
; CURRENT FILING DATE: 2004-11-29  
; PRIOR APPLICATION NUMBER: 10/291,265  
; PRIOR FILING DATE: 2002-11-08  
; PRIOR APPLICATION NUMBER: PCT/US01/02623  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 09/922,279  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: 09/491,404  
; PRIOR FILING DATE: 2000-01-25  
; PRIOR APPLICATION NUMBER: 09/617,746  
; PRIOR FILING DATE: 2000-07-17  
; PRIOR APPLICATION NUMBER: 09/631,451  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: 09/633,870  
; PRIOR FILING DATE: 2000-09-15  
; NUMBER OF SEQ ID NOS: 944  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 781  
; LENGTH: 68  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-11-000-463-781

Query Match 25.0%; Score 4; DB 7; Length 68;  
Best Local Similarity 100.0%; Pred.No. 2.2e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 AVIR 16  
|||  
Db 34 AVIR 37

## RESULT 61

US-09-978-360A-578  
; Sequence 578, Application US/09978360A  
; Publication No. US20060009633A9  
; GENERAL INFORMATION:

; APPLICANT: Edwards, Jean-Baptiste Dumas Milne  
; APPLICANT: Duclert, Aymeric  
; APPLICANT: Bougueleret, Lydie  
; APPLICANT: Jobert, Severin  
; APPLICANT: Clusel, Catherine  
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides  
; FILE REFERENCE: 56.US4.CIP  
; CURRENT APPLICATION NUMBER: US/09/978,360A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: US 60/066,677  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: US 60/069,957  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: US 60/074,121  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: US 60/081,563  
; PRIOR FILING DATE: 1998-04-13  
; PRIOR APPLICATION NUMBER: US 60/096,116  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: US 60/099,273  
; PRIOR FILING DATE: -09-04  
; PRIOR APPLICATION NUMBER: US 09/191,997  
; PRIOR FILING DATE: 1998-11-13  
; PRIOR APPLICATION NUMBER: US 09/215,435  
; PRIOR FILING DATE: 1998-12-17  
; PRIOR APPLICATION NUMBER: PCT/IB98/02122  
; PRIOR FILING DATE: 1998-12-17  
; PRIOR APPLICATION NUMBER: US 09/247,155  
; PRIOR FILING DATE: 1999-02-09  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 810  
; SOFTWARE: Patent.pm  
; SEQ ID NO 578  
; LENGTH: 73  
; TYPE: PRT

; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: -20..-1  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (51)  
; OTHER INFORMATION: unknown  
US-09-978-360A-578

Query Match 25.0%; Score 4; DB 5; Length 73;  
Best Local Similarity 100.0%; Pred.No. 2.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 DNCF 7  
|||  
Db 31 DNCF 34

## RESULT 62

US-10-467-657-1328  
; Sequence 1328, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:

; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11

; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 1328  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-1328

Query Match 25.0%; Score 4; DB 6; Length 73;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVI 15  
|||  
Db 22 PAVI 25

RESULT 63  
US-11-123-896-5  
; Sequence 5, Application US/11123896  
; Publication No. US20050273881A1  
; GENERAL INFORMATION:  
; APPLICANT: Simmons, Carl R.  
; APPLICANT: Navarro Acevedo, Pedro A.  
; APPLICANT: Harvell, Leslie  
; APPLICANT: Cahoon, Rebecca  
; APPLICANT: McCutchen, Billy Fred  
; APPLICANT: Lu, Albert  
; APPLICANT: Herrmann, Rafael  
; APPLICANT: Wong, James  
; TITLE OF INVENTION: Defensin Polynucleotides and Methods of  
; FILE REFERENCE: 35718/246703  
; CURRENT APPLICATION NUMBER: US/11/123,896  
; CURRENT FILING DATE: 2005-05-06  
; PRIOR APPLICATION NUMBER: 60/300,152  
; PRIOR FILING DATE: 2001-06-22  
; PRIOR APPLICATION NUMBER: 60/300,241  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 469  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Zea mays  
US-11-123-896-5

Query Match 25.0%; Score 4; DB 7; Length 73;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVI 15  
|||  
Db 9 PAVI 12

RESULT 64  
US-11-123-896-8  
; Sequence 8, Application US/11123896  
; Publication No. US20050273881A1  
; GENERAL INFORMATION:  
; APPLICANT: Simmons, Carl R.  
; APPLICANT: Navarro Acevedo, Pedro A.  
; APPLICANT: Harvell, Leslie  
; APPLICANT: Cahoon, Rebecca  
; APPLICANT: McCutchen, Billy Fred  
; APPLICANT: Lu, Albert  
; APPLICANT: Herrmann, Rafael  
; APPLICANT: Wong, James  
; TITLE OF INVENTION: Defensin Polynucleotides and Methods of  
; FILE REFERENCE: Use

; FILE REFERENCE: 35718/246703  
; CURRENT APPLICATION NUMBER: US/11/123,896  
; CURRENT FILING DATE: 2005-05-06  
; PRIOR APPLICATION NUMBER: 60/300,152  
; PRIOR FILING DATE: 2001-06-22  
; PRIOR APPLICATION NUMBER: 60/300,241  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 469  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-11-123-896-8

Query Match 25.0%; Score 4; DB 7; Length 73;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVI 15  
|||  
Db 9 PAVI 12

RESULT 65  
US-10-467-657-1364  
; Sequence 1364, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 1364  
; LENGTH: 77  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-1364

Query Match 25.0%; Score 4; DB 6; Length 77;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVI 15  
|||  
Db 61 PAVI 64

RESULT 66  
US-10-467-657-8464  
; Sequence 8464, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12

```
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 8464
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8464

Query Match          25.0%; Score 4; DB 6; Length 82;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 FEKG 10
      .      ||||
Db      38 FEKG 41

RESULT 67
US-10-986-501-186
; Sequence 186, Application US/10986501
; Publication No. US20050244845A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 90 Human Secreted Proteins
; FILE REFERENCE: P2013P2C1
; CURRENT APPLICATION NUMBER: US/10/986,501
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/621,363
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: 09/969,730
; PRIOR FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 09/774,639
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/238,291
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 09/244,112
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: PCT/US98/16235
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/056,371
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,732
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,366
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: 60/056,364
; PRIOR FILING DATE: 1997-08-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 373
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 186
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-986-501-186

Query Match          25.0%; Score 4; DB 6; Length 84;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 PAVI 15
      .      ||||
Db      80 PAVI 83

RESULT 68
US-11-055-822-120
; Sequence 120, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
```

```
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 120
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-120

Query Match          25.0%; Score 4; DB 7; Length 95;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 EGKD 11
      .      ||||
Db      13 EGKD 16

RESULT 69
US-11-055-822-490
; Sequence 490, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
```

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; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 490
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-490

Query Match      25.0%; Score 4; DB 7; Length 95;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKD 11
      ||||
Db     13 EGKD 16

RESULT 70
US-11-084-554-211
; Sequence 211, Application US/11084554
; Publication No. US20050260679A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REFERENCE: ABGENIX.100A
; CURRENT APPLICATION NUMBER: US/11/084,554
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-084-554-211

Query Match      25.0%; Score 4; DB 7; Length 97;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      ||||
Db     7 DPAV 10

RESULT 71
US-11-136-250-211
; Sequence 211, Application US/11136250
; Publication No. US20060021074A1
; GENERAL INFORMATION:
; APPLICANT: Kellermann, Sirid-Ai
; APPLICANT: Green, Larry L.
; APPLICANT: Korver, Wouter
; TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
; TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REFERENCE: ABGENIX.100A2
; CURRENT APPLICATION NUMBER: US/11/136,250
; CURRENT FILING DATE: 2005-05-23
; PRIOR APPLICATION NUMBER: 11/084,554
; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: PCT/US2005/009306
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; PRIOR FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR FILING DATE: 2004-03-19
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-136-250-211

Query Match      25.0%; Score 4; DB 7; Length 97;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      ||||
Db     7 DPAV 10

RESULT 72
US-10-999-866-22
; Sequence 22, Application US/10999866
; Publication No. US20050266004A1
; GENERAL INFORMATION:
; APPLICANT: GILES-KOMAR, Jill; SCALLON, Bernard J.; CAI, Ann
; TITLE OF INVENTION: ANTI-HUMAN LYMPHOTOXIN ALPHA ANTIBODIES, COMPOSITIONS, METHODS AN
; FILE REFERENCE: CEN5042NP
; CURRENT APPLICATION NUMBER: US/10/999,866
; CURRENT FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: 60/527,794
; PRIOR FILING DATE: 2003-12-08
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(98)
; OTHER INFORMATION: Lambda3e light chain variable region
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(22)
; OTHER INFORMATION: framework 1
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (23)..(23)
; OTHER INFORMATION: complementarity determinnng region 1 (CDR1), X is 5-20 (11) of any
; OTHER INFORMATION: amino acids.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (24)..(38)
; OTHER INFORMATION: framework 2
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (39)..(39)
; OTHER INFORMATION: complementarity determinnng region 2 (CDR2), X is 3-20 (7) of any
; OTHER INFORMATION: amino acids.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (40)..(71)
; OTHER INFORMATION: framework 3
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (72)..(72)
; OTHER INFORMATION: complementarity determinnng region 3 (CDR3), X is 15-40 (26) of
; OTHER INFORMATION: any amino acids.
; FEATURE:
; NAME/KEY: MISC_FEATURE
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; LOCATION: (73)..(98)
; OTHER INFORMATION: framework 4
US-10-999-866-22

Query Match          25.0%; Score 4; DB 6; Length 98;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
      ||||
Db      7 DPAV 10

RESULT 73
US-11-061-821-22
; Sequence 22, Application US/11061821
; Publication No. US20050266005A1
; GENERAL INFORMATION:
; APPLICANT: Heavner, George; Li, Li; Oneil, Karyn
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING IL-13 RELATED PATHOLOGIES
; FILE REFERENCE: CEN5048 NP
; CURRENT APPLICATION NUMBER: US/11/061,821
; CURRENT FILING DATE: 2005-02-18
; PRIOR APPLICATION NUMBER: 60/548,648
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver 3.3
; SEQ ID NO 22
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(98)
; OTHER INFORMATION: Lambda3e light chain variable region
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (23)..(23)
; OTHER INFORMATION: complementarity determininng region 1 (CDR1), X is any amino acid.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (24)..(38)
; OTHER INFORMATION: framework 2
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (39)..(39)
; OTHER INFORMATION: complementarity determininng region 2 (CDR2), X is any amino acid.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (40)..(71)
; OTHER INFORMATION: framework 3
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (72)..(72)
; OTHER INFORMATION: complementarity determininng region 3 (CDR3), X is any amino acid.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (73)..(98)
; OTHER INFORMATION: framework 4
US-11-061-821-22

Query Match          25.0%; Score 4; DB 7; Length 98;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 DPAV 14
      ||||
Db      7 DPAV 10
```

```
RESULT 74
US-10-467-657-2846
; Sequence 2846, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON Spa
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 2846
; LENGTH: 99
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2846

Query Match          25.0%; Score 4; DB 6; Length 99;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      13 AVIR 16
      ||||
Db      66 AVIR 69

RESULT 75
US-11-000-463-934
; Sequence 934, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 934
; LENGTH: 99
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-11-000-463-934

Query Match      25.0%; Score 4; DB 7; Length 99;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FSWD 4
      ||||
Db      28 FSWD 31

RESULT 76
US-10-485-517-349
; Sequence 349, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P100629WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 349
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-349

Query Match      25.0%; Score 4; DB 6; Length 100;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 EGKD 11
      ||||
Db      16 EGKD 19

RESULT 77
US-10-793-626-280
; Sequence 280, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 280
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-280

Query Match      25.0%; Score 4; DB 6; Length 101;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; ORGANISM: Homo sapiens
US-11-000-463-934

Query Match      25.0%; Score 4; DB 7; Length 99;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FSWD 4
      ||||
Db      28 FSWD 31

RESULT 78
US-11-019-711-74
; Sequence 74, Application US/11019711
; Publication No. US20060009634A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Patturajan, Meera
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Pleckstrin
; OTHER INFORMATION: homology domain Consensus Sequence
US-11-019-711-74

Query Match      25.0%; Score 4; DB 7; Length 104;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
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Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 NCFE 8  
Db 68 NCFE 71

RESULT 79

US-10-771-257-76  
; Sequence 76, Application US/10771257  
; Publication No. US2005028864A1  
; GENERAL INFORMATION:  
; APPLICANT: Medical Research Council  
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati  
; APPLICANT: Cattaneo, Antonino  
; APPLICANT: Maritan, Amos  
; APPLICANT: Visintin, Michela  
; APPLICANT: Rabbitts, Terrence H  
; APPLICANT: Settanni, Giovanni  
; TITLE OF INVENTION: Intracellular antibodies  
; FILE REFERENCE: 18396/2272  
; CURRENT APPLICATION NUMBER: US/10/771.257  
; CURRENT FILING DATE: 2004-02-03  
; PRIOR APPLICATION NUMBER: PCT/GB02/03512  
; PRIOR FILING DATE: 2002-08-01  
; PRIOR APPLICATION NUMBER: GB 0119004.0  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: GB 0121577.1  
; PRIOR FILING DATE: 2001-09-06  
; PRIOR APPLICATION NUMBER: GB 0200928.0  
; PRIOR FILING DATE: 2002-01-16  
; PRIOR APPLICATION NUMBER: GB 0203569.9  
; PRIOR FILING DATE: 2002-02-14  
; PRIOR APPLICATION NUMBER: IT RM2001A000633  
; PRIOR FILING DATE: 2001-10-25  
; NUMBER OF SEQ ID NOS: 124  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 76  
; LENGTH: 107  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-771-257-76

Query Match 25.0%; Score 4; DB 6; Length 107;  
Best Local Similarity 100.0%; Pred.No. 3.2e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAV 14  
Db 6 DPAV 9

RESULT 80

US-11-127-677-74  
; Sequence 74, Application US/11127677  
; Publication No. US20050272107A1  
; GENERAL INFORMATION:  
; APPLICANT: Medical Research Council  
; APPLICANT: Rabbitts, Terence H  
; APPLICANT: Tanaka, Tomoyuki  
; TITLE OF INVENTION: Intracellular antibodies  
; FILE REFERENCE: 18396/2462  
; CURRENT APPLICATION NUMBER: US/11/127,677  
; CURRENT FILING DATE: 2005-05-12  
; PRIOR APPLICATION NUMBER: PCT/GB03/04942  
; PRIOR FILING DATE: 2003-11-14  
; PRIOR APPLICATION NUMBER: GB 0226729.2  
; PRIOR FILING DATE: 2002-11-15  
; NUMBER OF SEQ ID NOS: 150  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 74  
; LENGTH: 107  
; TYPE: PRT

; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Derived protein sequence of scFv  
US-11-127-677-74

Query Match 25.0%; Score 4; DB 7; Length 107;  
Best Local Similarity 100.0%; Pred.No. 3.2e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAV 14  
Db 6 DPAV 9

RESULT 81

US-11-049-536-208  
; Sequence 208, Application US/11049536  
; Publication No. US20060024297A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Clive R.  
; APPLICANT: Dransfield, Daniel T.  
; APPLICANT: Pieters, Henk  
; APPLICANT: Hoet, Rene  
; APPLICANT: Hufton, Simon E.  
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS  
; FILE REFERENCE: 10280-128001  
; CURRENT APPLICATION NUMBER: US/11/049,536  
; CURRENT FILING DATE: 2005-02-02  
; PRIOR APPLICATION NUMBER: US 10/916,840  
; PRIOR FILING DATE: 2004-08-12  
; PRIOR APPLICATION NUMBER: US 60/494,713  
; PRIOR FILING DATE: 2003-08-12  
; NUMBER OF SEQ ID NOS: 721  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 208  
; LENGTH: 107  
; TYPE: PRT  
; ORGANISM: ARTIFICIAL SEQUENCE  
; FEATURE:  
; OTHER INFORMATION: Antibody  
US-11-049-536-208

Query Match 25.0%; Score 4; DB 7; Length 107;  
Best Local Similarity 100.0%; Pred.No. 3.2e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAV 14  
Db 7 DPAV 10

RESULT 82

US-11-049-536-252  
; Sequence 252, Application US/11049536  
; Publication No. US20060024297A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Clive R.  
; APPLICANT: Dransfield, Daniel T.  
; APPLICANT: Pieters, Henk  
; APPLICANT: Hoet, Rene  
; APPLICANT: Hufton, Simon E.  
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS  
; FILE REFERENCE: 10280-128001  
; CURRENT APPLICATION NUMBER: US/11/049,536  
; CURRENT FILING DATE: 2005-02-02  
; PRIOR APPLICATION NUMBER: US 10/916,840  
; PRIOR FILING DATE: 2004-08-12  
; PRIOR APPLICATION NUMBER: US 60/494,713  
; PRIOR FILING DATE: 2003-08-12  
; NUMBER OF SEQ ID NOS: 721  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 252  
; LENGTH: 107  
;



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; TYPE: PRT
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: Antibody
US-11-049-536-252

Query Match          25.0%; Score 4; DB 7; Length 107;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      |||||
Db      7 DPAV 10

RESULT 83
US-10-771-257-23
; Sequence 23, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; PRIOR FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-23

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      |||||
Db      7 DPAV 10

RESULT 84
US-10-771-257-24
; Sequence 24, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
```

```

; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-24

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      |||||
Db      6 DPAV 9

RESULT 85
US-10-771-257-31
; Sequence 31, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-31

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
```

```
Db          |||||
            7 DPAV 10

RESULT 86
US-10-771-257-66
; Sequence 66, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A0000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-66

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          11 DPAV 14
            |||||
            6 DPAV 9

RESULT 87
US-10-771-257-73
; Sequence 73, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: IT RM2001A0000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-73

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          11 DPAV 14
            |||||
            6 DPAV 9

RESULT 88
US-10-771-257-79
; Sequence 79, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A0000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-79

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          11 DPAV 14
            |||||
            6 DPAV 9

RESULT 89
US-11-127-677-23
; Sequence 23, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
```

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; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 73
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-73

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          11 DPAV 14
            |||||
            6 DPAV 9

RESULT 88
US-10-771-257-79
; Sequence 79, Application US/10771257
; Publication No. US20050288864A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: SISSA - Scuola Superiore Internazionale di Studi Avanzati
; APPLICANT: Cattaneo, Antonino
; APPLICANT: Maritan, Amos
; APPLICANT: Visintin, Michela
; APPLICANT: Rabbitts, Terrence H
; APPLICANT: Settanni, Giovanni
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2272
; CURRENT APPLICATION NUMBER: US/10/771,257
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: PCT/GB02/03512
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: GB 0119004.0
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: GB 0121577.1
; PRIOR FILING DATE: 2001-09-06
; PRIOR APPLICATION NUMBER: GB 0200928.0
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: GB 0203569.9
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: IT RM2001A0000633
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-771-257-79

Query Match          25.0%; Score 4; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          11 DPAV 14
            |||||
            6 DPAV 9

RESULT 89
US-11-127-677-23
; Sequence 23, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
```

```
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; PRIOR FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: GB 0226729.2
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-23

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      ||||
Db      7 DPAV 10

RESULT 90
US-11-127-677-24
; Sequence 24, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-24

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      ||||
Db      6 DPAV 9

RESULT 91
US-11-127-677-31
; Sequence 31, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
```

```
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-31

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      ||||
Db      7 DPAV 10

RESULT 92
US-11-127-677-64
; Sequence 64, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: GB 0226729.2
; PRIOR FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Derived protein sequence of scFv
US-11-127-677-64

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
      ||||
Db      6 DPAV 9

RESULT 93
US-11-127-677-71
; Sequence 71, Application US/11127677
; Publication No. US20050272107A1
; GENERAL INFORMATION:
; APPLICANT: Medical Research Council
; APPLICANT: Rabbitts, Terence H
; APPLICANT: Tanaka, Tomoyuki
; TITLE OF INVENTION: Intracellular antibodies
; FILE REFERENCE: 18396/2462
; CURRENT APPLICATION NUMBER: US/11/127,677
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: PCT/GB03/04942
```



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; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-112-304A-16

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
Db      7 DPAV 10

RESULT 98
US-11-112-304A-20
; Sequence 20, Application US/11112304A
; Publication No. US20060002931A1
; GENERAL INFORMATION:
; APPLICANT: AMGEN, INC.
; APPLICANT: AMGEN, INC.
; APPLICANT: Smothers, James
; APPLICANT: Fanslow III, William C.
; APPLICANT: Kariv, Revital
; TITLE OF INVENTION: ANTIBODIES OF ANGIOGENESIS INHIBITING DOMAINS OF CD148
; FILE REFERENCE: 3447
; CURRENT APPLICATION NUMBER: US/11/112,304A
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/565,158
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/564,885
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/571,566
; PRIOR FILING DATE: 2004-05-14
; PRIOR APPLICATION NUMBER: US 60/585,686
; PRIOR FILING DATE: 2004-07-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-112-304A-20

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
Db      7 DPAV 10

RESULT 99
US-11-049-536-464
; Sequence 464, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive R.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Pieters, Henk
; APPLICANT: Hoet, Rene
; APPLICANT: Hufton, Simon E.
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
; FILE REFERENCE: 10280-128001
; CURRENT APPLICATION NUMBER: US/11/049,536
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US 10/916,840
; PRIOR FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US 60/494,713
; PRIOR FILING DATE: 2003-08-12
```

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; NUMBER OF SEQ ID NOS: 721
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 464
; LENGTH: 108
; TYPE: PRT
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: Antibody
US-11-049-536-464

Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
Db      7 DPAV 10

RESULT 100
US-11-049-536-540
; Sequence 540, Application US/11049536
; Publication No. US20060024297A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive R.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Pieters, Henk
; APPLICANT: Hoet, Rene
; APPLICANT: Hufton, Simon E.
; TITLE OF INVENTION: TIE COMPLEX BINDING PROTEINS
; FILE REFERENCE: 10280-128001
; CURRENT APPLICATION NUMBER: US/11/049,536
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US 10/916,840
; PRIOR FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US 60/494,713
; PRIOR FILING DATE: 2003-08-12
; NUMBER OF SEQ ID NOS: 721
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 540
; LENGTH: 108
; TYPE: PRT
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: Antibody
US-11-049-536-540
```

```
Query Match      25.0%; Score 4; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 14
Db      7 DPAV 10
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Search completed: February 15, 2006, 09:58:00  
Job time : 3.84889 secs

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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:32:40 ; Search time 6.11556 Seconds  
(without alignments)  
216.303 Million cell updates/sec

Title: US-10-030-937-68  
Perfect score: 16  
Sequence: 1 FSWDNCFEGKDPVIR 16

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

Database : Issued Patents AA:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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2	9	56.2	193	2	US-09-183-841-1
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4	6	37.5	185	2	US-09-248-796A-16879
5	6	37.5	243	2	US-09-541-759-7
6	6	37.5	257	2	US-09-949-016-7490
7	6	37.5	297	1	US-08-534-910B-6
8	6	37.5	297	1	US-08-534-910B-7
9	6	37.5	297	1	US-08-534-910B-8
10	6	37.5	297	1	US-08-534-910B-9
11	6	37.5	297	1	US-08-534-910B-10
12	6	37.5	297	2	US-08-886-466-2
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14	6	37.5	297	2	US-09-101-126-3
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104 5 31.2 342 2 US-09-328-352-5861 Sequence 5861, Ap  
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135 5 31.2 405 2 US-09-902-540-13027 Sequence 13027, A  
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150 5 31.2 461 2 US-09-252-991A-24717 Sequence 24717, A

ALIGNMENTS

RESULT 1  
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; Sequence 2, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: His tag at residues 1 to 17

; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: amino acid  
; OTHER INFORMATION: sequence of GM2 protein using His6 tag  
US-09-183-841-2  
  
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Best Local Similarity 100.0%; Pred.No. 0.011;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 26 EGKDPVAVIR 34  
  
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US-09-183-841-1  
; Sequence 1, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: (33)..(55)  
; FEATURE:  
; OTHER INFORMATION: residues 56-63 are included in a further precursor  
; OTHER INFORMATION: form of the protein  
US-09-183-841-1  
  
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Best Local Similarity 100.0%; Pred.No. 0.012;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 41 EGKDPVAVIR 49  
  
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; Sequence 18412, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 18412  
; LENGTH: 127  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
; OTHER INFORMATION: Pseudomonas aeruginosa  
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Best Local Similarity 100.0%; Pred.No. 15;  
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Db      4 EGKDP A 9

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; Sequence 16879, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
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; ORGANISM: Candida albicans
US-09-248-796A-16879

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Db      171 KDP A V I 176

RESULT 5
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; Patent No. 6723322
; GENERAL INFORMATION:
; APPLICANT: Lustigman, Sara
; APPLICANT: Pearlman, Eric
; APPLICANT: Unnasch, Thomas
; TITLE OF INVENTION: ANGIOGENIC ONCHOCERCA VOLVULUS PROTEINS AND USES THEREOF
; FILE REFERENCE: 63475/252
; CURRENT APPLICATION NUMBER: US/09/541,759
; CURRENT FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-541-759-7

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Db      20 EGKDP A 25

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US-09-949-016-7490
; Sequence 7490, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7490
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7490

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Best Local Similarity 100.0%; Pred. No. 29;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      34 EGKDP A 39

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US-08-534-910B-6
; Sequence 6, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoze
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylphosphate Synthase Capable
; OF SYNTHESIZING GERANYLGERANYLDIPHOSPHATE AND GENE CODING THEREOF
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.25" Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; ORGANISM: Bacillus stearothermophilus
US-08-534-910B-6
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Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 8
US-08-534-910B-7
; Sequence 7, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoza
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable
; TITLE OF INVENTION: Of Synthesizing Geranylgeranyldiphosphate And Gene Coding Ther
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.25" Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Bacillus stearothermophilus
US-08-534-910B-7
Query Match 37.5%; Score 6; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

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US-08-534-910B-8
; Sequence 8, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoza
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable
; TITLE OF INVENTION: Of Synthesizing Geranylgeranyldiphosphate And Gene Coding Ther
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenyon & Kenyon
; STREET: 1025 Connecticut Avenue, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.
; ZIP: 20036-5405
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.25" Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
; SOFTWARE: IBM/Word Perfect 6.1 Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/534,910B
; FILING DATE: 28-SEPT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-25253
; FILING DATE: 14-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Toffenetti, Judith L.
; REGISTRATION NUMBER: 39,048
; REFERENCE/DOCKET NUMBER: 77670/398
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)429-1776
; TELEFAX: (202)429-0796
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Bacillus stearothermophilus
US-08-534-910B-8
Query Match 37.5%; Score 6; DB 1; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GKDPV 14
Db 62 GKDPV 67

RESULT 10
US-08-534-910B-9
; Sequence 9, Application US/08534910B
; Patent No. 5766911
; GENERAL INFORMATION:
; APPLICANT: KOIKE, Ayumi
; APPLICANT: OBATA, Shusei
; APPLICANT: NISHINO, Tokuzo
; APPLICANT: OHNUMA, Shinichi
; APPLICANT: NAKAZAWA, Takeshi
; APPLICANT: OGURA, Kyoza
; APPLICANT: KOYAMA, Tanetoshi
; TITLE OF INVENTION: Mutated Farnesylidiphosphate Synthase Capable



```

; APPLICANT: Narita, Keishi
; APPLICANT: Ishida, Chika
; APPLICANT: Takeuchi, Yoshie
; APPLICANT: Ohto, Chikara
; APPLICANT: Ohnuma, Shinichi
; APPLICANT: Nishino, Tokuzo
; TITLE OF INVENTION: MUTANT PRENYL DIPHOSPHATE SYNTHASE
; FILE REFERENCE: 77670/494
; CURRENT APPLICATION NUMBER: US/09/475,304
; CURRENT FILING DATE: 1999-12-30
; EARLIER APPLICATION NUMBER: JP 8-191635
; EARLIER FILING DATE: 1996-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-09-475-304-2

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDPV 14
Db      62 GKDPV 67

RESULT 14
US-09-101-126-3
; Sequence 3, Application US/09101126
; Patent No. 6316216
; GENERAL INFORMATION:
; APPLICANT: OHTO, CHIKARA
; APPLICANT: NAKANE, HIROYUKI
; APPLICANT: NISHINO, TOKUZO
; APPLICANT: OHNUMA, SHINICHI
; APPLICANT: HIROOKA, KAZUTAKE
; TITLE OF INVENTION: MUTATED PRENYL DIPHOSPHATE SYNTHASES
; FILE REFERENCE: 77670/566
; CURRENT APPLICATION NUMBER: US/09/101,126
; CURRENT FILING DATE: 1999-04-27
; EARLIER APPLICATION NUMBER: PCT/JP97/03921
; EARLIER FILING DATE: 1997-10-29
; EARLIER APPLICATION NUMBER: JP 8-307506
; EARLIER FILING DATE: 1996-11-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; FEATURE:
; OTHER INFORMATION: 86-92 is an Asp-rich domain
US-09-101-126-3

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDPV 14
Db      62 GKDPV 67

RESULT 15
US-09-367-528A-1
; Sequence 1, Application US/09367528A
; Patent No. 6395525
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
,
```

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; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: 82
; OTHER INFORMATION: Xaa represents Val, Leu, Ile, Thr, Asp, Glu, Asn, Gln, Lys,
; OTHER INFORMATION: Arg, Cys, Met, Phe, Tyr, Trp, His or Pro.
US-09-367-528A-1

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDPV 14
Db      62 GKDPV 67

RESULT 16
US-09-367-528A-3
; Sequence 3, Application US/09367528A
; Patent No. 6395525
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-09-367-528A-3

Query Match          37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 GKDPV 14
Db      62 GKDPV 67

RESULT 17
US-09-367-528A-5
; Sequence 5, Application US/09367528A
; Patent No. 6395525
; GENERAL INFORMATION:
; APPLICANT: TOYOTA JIDOSHA KABUSHIKI KAISHA
; TITLE OF INVENTION: Geranyl Diphosphate Synthetase Gene
; FILE REFERENCE: PH-586
; CURRENT APPLICATION NUMBER: US/09/367,528A
; CURRENT FILING DATE: 1999-08-16
; PRIOR APPLICATION NUMBER: JP97/346686
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 297
; TYPE: PRT
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; ORGANISM: Bacillus stearothermophilus
US-09-367-528A-5

Query Match      37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPV 14
      |||||
Db      62 GKDPV 67

RESULT 18
US-09-270-767-45587
; Sequence 45587, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45587
; LENGTH: 1765
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45587

Query Match      37.5%; Score 6; DB 2; Length 1765;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEKGDP 12
      |||||
Db      722 FEKGDP 727

RESULT 19
US-07-706-699-1
; Sequence 1, Application US/07706699
; Patent No. 5204254
; GENERAL INFORMATION:
; APPLICANT: Schmid; Candussio; B ck
; TITLE OF INVENTION: Maltopentaose
; TITLE OF INVENTION: Producing Amylases
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Collard, Roe & Galgano, P.C.
; STREET: 1077 No. 5204254thern Boulevard
; CITY: Roslyn
; STATE: New York
; COUNTRY: USA
; ZIP: 11576
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/706,699
; FILING DATE: 19910529
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GR 40 17 595.2
; FILING DATE: 31 MAY 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Allison C. Collard
; REGISTRATION NUMBER: 22,532
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2

; ORGANISM: Bacillus stearothermophilus
US-09-367-528A-5

Query Match      37.5%; Score 6; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPV 14
      |||||
Db      62 GKDPV 67

RESULT 18
US-09-270-767-45587
; Sequence 45587, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45587
; LENGTH: 1765
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45587

Query Match      37.5%; Score 6; DB 2; Length 1765;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEKGDP 12
      |||||
Db      722 FEKGDP 727

RESULT 19
US-07-706-699-1
; Sequence 1, Application US/07706699
; Patent No. 5204254
; GENERAL INFORMATION:
; APPLICANT: Schmid; Candussio; B ck
; TITLE OF INVENTION: Maltopentaose
; TITLE OF INVENTION: Producing Amylases
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Collard, Roe & Galgano, P.C.
; STREET: 1077 No. 5204254thern Boulevard
; CITY: Roslyn
; STATE: New York
; COUNTRY: USA
; ZIP: 11576
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/706,699
; FILING DATE: 19910529
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GR 40 17 595.2
; FILING DATE: 31 MAY 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Allison C. Collard
; REGISTRATION NUMBER: 22,532
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
```

```

; NAME: Thomas M. Galgano
; REGISTRATION NUMBER: 27,638
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; NAME: Edward R. Freedman
; REGISTRATION NUMBER: 26,048
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-365-9802
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-706-699-1

Query Match      31.2%; Score 5; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FSWDN 5
      |||||
Db      14 FSWDN 18

RESULT 20
US-07-998-931-1
; Sequence 1, Application US/07998931
; Patent No. 5304723
; GENERAL INFORMATION:
; APPLICANT: Schmid; Candussio; Bck
; TITLE OF INVENTION: Maltopentaose Producing Amylases
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Collard, Roe & Galgano, P.C.
; STREET: 1077 No. 5304723thern Boulevard
; CITY: Roslyn
; STATE: New York
; COUNTRY: USA
; ZIP: 11576
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/998,931
; FILING DATE: 19921229
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GR 40 17 595.2
; FILING DATE: 31 MAY 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Allison C. Collard
; REGISTRATION NUMBER: 22,532
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; NAME: Thomas M. Galgano
; REGISTRATION NUMBER: 27,638
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; NAME: Edward R. Freedman
; REGISTRATION NUMBER: 26,048
; REFERENCE/DOCKET NUMBER: SCHMID ET AL-W2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-365-9802
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-998-931-1

Query Match      31.2%; Score 5; DB 1; Length 25;
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```
;
;
; FILING DATE: 26-NOV-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Einhorn, Gregory P.
; REGISTRATION NUMBER: 38,440
; REFERENCE/DOCKET NUMBER: 015389-003110US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-042-460-52

Query Match 31.2%; Score 5; DB 2; Length 25;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 22
US-08-851-843A-155
; Sequence 155, Application US/08851843A
; Patent No. 6093809
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6093809el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,843A
; FILING DATE: 06-MAY-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
;
;
; FILING DATE: 26-NOV-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Einhorn, Gregory P.
; REGISTRATION NUMBER: 38,440
; REFERENCE/DOCKET NUMBER: 015389-003110US
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-042-460-52

Query Match 31.2%; Score 5; DB 2; Length 25;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 14 PAVIR 18

RESULT 21
US-09-042-460-52
; Sequence 52, Application US/09042460
; Patent No. 6767719
; GENERAL INFORMATION:
; APPLICANT: Morin, Gregg B.
; APPLICANT: Allsopp, Richard
; APPLICANT: Definho, Ronald
; APPLICANT: Greenberg, Roger
; TITLE OF INVENTION: Mouse Telomerase Reverse Transcriptase
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,460
; FILING DATE: 16-MAR-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,549
; FILING DATE: 19-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,584
; FILING DATE: 19-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/979,742
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; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 155:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; US-08-851-843A-155 Schizosaccharomyces pombe tezl"

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 7 PAVIR 11

RESULT 23
US-08-974-549A-275
; Sequence 275, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 275:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
; OTHER INFORMATION: /note= "motif 0 peptide from
; US-08-974-549A-275 Schizosaccharomyces pombe tezl"

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
Db 7 PAVIR 11

RESULT 24
US-08-854-050-155
; Sequence 155, Application US/08854050
; Patent No. 6261836
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6261836el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/854,050
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
```

; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002930US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 155:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..30  
; OTHER INFORMATION: /note= "motif 0 peptide from  
; Schizosaccharomyces pombe tez1"  
; US-08-854-050-155

Query Match 31.2%; Score 5; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 53;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
| | | | |  
Db 7 PAVIR 11

RESULT 25  
US-09-430-323-155  
; Sequence 155, Application US/09430323  
; Patent No. 6309867  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin  
; Andrews, William H.  
; TITLE OF INVENTION: No. 6309867el Telomerase  
; NUMBER OF SEQUENCES: 225  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/430,323

; FILING DATE: 29-Oct-1999  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph T.  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002930US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 155:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 30 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..30  
; OTHER INFORMATION: /note= "motif 0 peptide from  
; Schizosaccharomyces pombe tez1"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 155:  
US-09-430-323-155

Query Match 31.2%; Score 5; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 53;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
| | | | |  
Db 7 PAVIR 11

RESULT 26  
US-09-402-181B-275  
; Sequence 275, Application US/09402181B  
; Patent No. 6610839  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin B.  
; Andrews, William H.  
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
; NUMBER OF SEQUENCES: 633  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/402,181B  
; FILING DATE: 29-Sep-1997



Andrews, William H.  
TITLE OF INVENTION: No. 6808880e1 Telomerase  
NUMBER OF SEQUENCES: 171  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: United States of America  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/766,253  
FILING DATE: 19-Jan-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/846,017  
FILING DATE: 1997-04-25  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002920US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 155:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..30  
OTHER INFORMATION: /note= "motif 0 peptide from  
Schizosaccharomyces pombe tez1"  
SEQUENCE DESCRIPTION: SEQ ID NO: 155:  
US-09-766-253-155  
Query Match 31.2%; Score 5; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 53;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 12 PAVIR 16  
Db 7 PAVIR 11  
RESULT 29  
US-10-054-295-155  
Sequence 155, Application US/10054295  
Patent No. 6921664  
GENERAL INFORMATION:  
APPLICANT: Cech, Thomas R.  
Lingner, Joachim  
Nakamura, Toru  
Chapman, Karen B.  
Morin, Gregg B.  
Harley, Calvin  
Andrews, William H.  
TITLE OF INVENTION: No. 6921664e1 Telomerase  
NUMBER OF SEQUENCES: 225  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco

STATE: California  
COUNTRY: United States of America  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/054,295  
FILING DATE: 18-Jan-2002  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/854,050  
FILING DATE: <Unknown>  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002930US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 155:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 30 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..30  
OTHER INFORMATION: /note= "motif 0 peptide from  
Schizosaccharomyces pombe tez1"  
SEQUENCE DESCRIPTION: SEQ ID NO: 155:  
US-10-054-295-155  
Query Match 31.2%; Score 5; DB 2; Length 30;  
Best Local Similarity 100.0%; Pred. No. 53;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 12 PAVIR 16  
Db 7 PAVIR 11  
RESULT 30  
US-09-438-486A-155  
Sequence 155, Application US/09438486A  
Patent No. 6927285  
GENERAL INFORMATION:  
APPLICANT: Cech, Thomas R.  
Lingner, Joachim  
Nakamura, Toru  
Chapman, Karen B.  
Morin, Gregg B.  
Harley, Calvin  
Andrews, William H.  
TITLE OF INVENTION: GENE FOR HUMAN TELOMERASE REVERSE TRANSCRIPTASE AND  
TELOMERASE VARIANTS  
FILE REFERENCE: 018/062  
CURRENT APPLICATION NUMBER: US/09/438,486A  
CURRENT FILING DATE: 1999-11-12  
PRIOR APPLICATION NUMBER: 08/851,843  
PRIOR FILING DATE: 1997-05-06  
PRIOR APPLICATION NUMBER: 08/846,017  
PRIOR FILING DATE: 1997-04-25

; PRIOR APPLICATION NUMBER: 08/844,419
; PRIOR FILING DATE: 1997-04-18
; PRIOR APPLICATION NUMBER: 08/724,643
; PRIOR FILING DATE: 1996-10-01
; NUMBER OF SEQ ID NOS: 223
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 155
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: amino acid sequence
US-09-438-486A-155

Query Match 31.2%; Score 5; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16
|||||
Db 7 PAVIR 11

RESULT 31
US-08-737-716-12
; Sequence 12, Application US/08737716
; Patent No. 5955258
; GENERAL INFORMATION:
; APPLICANT: Girbe BUIST
; APPLICANT: Gerard VENEMA
; APPLICANT: Jan KOK
; APPLICANT: Adrianus Marinus LEDEBOER
; TITLE OF INVENTION: Process for the lysis of a culture of lactic
; TITLE OF INVENTION: acid bacteria by means of a lysin, and uses of the resulting
; TITLE OF INVENTION: lysed culture.
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/737,716
; FILING DATE: 22-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/NL95/00170
; FILING DATE: 12-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 94201353.3
; FILING DATE: 12-MAY-1994
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-737-716-12

Query Match 31.2%; Score 5; DB 1; Length 35;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15
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Db 3 DPAVI 7

RESULT 32
US-08-974-549A-25
; Sequence 25, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 amino acids

;  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..54  
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
; OTHER INFORMATION: Schizosaccharomyces pombe TRT te2lp"  
US-08-974-549A-25

Query Match 31.2%; Score 5; DB 2; Length 54;  
Best Local Similarity 100.0%; Pred. No. 90;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
Db 14 PAVIR 18

RESULT 33  
US-08-912-951-25  
; Sequence 25, Application US/08912951  
; Patent No. 6475789  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; APPLICANT: Lingner, Joachim  
; APPLICANT: Nakamura, Toru  
; APPLICANT: Chapman, Karen B.  
; APPLICANT: Morin, Gregg B.  
; APPLICANT: Harley, Calvin  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND  
; TITLE OF INVENTION: THERAPEUTIC METHODS  
; NUMBER OF SEQUENCES: 335  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94111

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/912,951  
FILING DATE: 14-AUG-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.

;  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002600US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 54 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..54  
; OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
; OTHER INFORMATION: Schizosaccharomyces pombe TRT te2lp"  
US-08-912-951-25

Query Match 31.2%; Score 5; DB 2; Length 54;  
Best Local Similarity 100.0%; Pred. No. 90;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
Db 14 PAVIR 18

RESULT 34  
US-09-402-181B-25  
; Sequence 25, Application US/09402181B  
; Patent No. 6610839  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; APPLICANT: Lingner, Joachim  
; APPLICANT: Nakamura, Toru  
; APPLICANT: Chapman, Karen B.  
; APPLICANT: Morin, Gregg B.  
; APPLICANT: Harley, Calvin B.  
; APPLICANT: Andrews, William H.  
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
; NUMBER OF SEQUENCES: 633  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/402,181B  
FILING DATE: 29-Sep-1997  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
APPLICATION NUMBER: US 08/911,312  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/912,951  
FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/915,503  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: WO PCT/US97/17885  
FILING DATE: 01-OCT-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ausenhus, Scott L.  
REGISTRATION NUMBER: 42,271  
REFERENCE/DOCKET NUMBER: 015389-002620US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 54 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..54  
OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
Schizosaccharomyces pombe TRT tezip"  
SEQUENCE DESCRIPTION: SEQ ID NO: 25:  
US-09-402-181B-25

Query Match 31.2%; Score 5; DB 2; Length 54;  
Best Local Similarity 100.0%; Pred. No. 90;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
|||  
Db 14 PAVIR 18

RESULT 35

US-09-721-456-25  
; Sequence 25, Application US/09721456  
; Patent No. 6617110  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin B.  
; Andrews, William H.  
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
; NUMBER OF SEQUENCES: 727  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/721,456  
; FILING DATE: 22-No. 6617110-2000  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/974,549A  
; FILING DATE: 19-NOV-1997  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
APPLICATION NUMBER: US 08/911,312  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/912,951  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: US 08/915,503  
FILING DATE: 14-AUG-1997  
APPLICATION NUMBER: WO PCT/US97/17618  
FILING DATE: 01-OCT-1997  
APPLICATION NUMBER: WO PCT/US97/17885  
FILING DATE: 01-OCT-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph Ted  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002610US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 54 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..54  
OTHER INFORMATION: /note= "motif 1 and 2 peptide from  
Schizosaccharomyces pombe TRT tezip"  
SEQUENCE DESCRIPTION: SEQ ID NO: 25:  
US-09-721-456-25

Query Match 31.2%; Score 5; DB 2; Length 54;  
Best Local Similarity 100.0%; Pred. No. 90;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
|||  
Db 14 PAVIR 18

RESULT 36

US-09-205-258-774  
; Sequence 774, Application US/09205258  
; Patent No. 6525174  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: P2007P1  
; CURRENT APPLICATION NUMBER: US/09/205,258  
; CURRENT FILING DATE: 1998-12-04  
; EARLIER APPLICATION NUMBER: PCT/US98/11422  
; EARLIER FILING DATE: 1998-06-04  
; EARLIER APPLICATION NUMBER: 60/048,885  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,375  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,881  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,880  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,896  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,020  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,876  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,895



; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,884  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,894  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,971  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,964  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,882  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,899  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,893  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,900  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,901  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,892  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,915  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,019  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,972  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,916  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,373  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,875  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,374  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,917  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,949  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,974  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,883  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,897  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,898  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,962  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,963  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,877  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,878  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/070,923  
; EARLIER FILING DATE: 1997-12-18  
; EARLIER APPLICATION NUMBER: 60/092,921  
; EARLIER FILING DATE: 1998-07-15  
; EARLIER APPLICATION NUMBER: 60/094,657  
; EARLIER FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 774  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-205-258-774

Query Match 31.2%; Score 5; DB 2; Length 64;  
Best Local Similarity 100.0%; Pred. No. 1e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 9 GKDPA 13  
Db 43 GKDPA 47  
RESULT 37  
US-10-004-860-774  
; Sequence 774, Application US/10004860  
; Patent No. 6914047  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: PZ007P1  
; CURRENT APPLICATION NUMBER: US/10/004,860  
; CURRENT FILING DATE: 2001-12-07  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 774  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-004-860-774  
Query Match 31.2%; Score 5; DB 2; Length 64;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13  
Db 43 GKDPA 47

RESULT 38  
US-09-438-185A-1008  
; Sequence 1008, Application US/09438185A  
; Patent No. 6822071  
; GENERAL INFORMATION:  
; APPLICANT: Stephens, Richard  
; APPLICANT: Mitchell, Wayne  
; APPLICANT: Kalman, Sue  
; APPLICANT: Davis, Ronald  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence  
; FILE REFERENCE: 018941-000411US  
; CURRENT APPLICATION NUMBER: US/09/438,185A  
; CURRENT FILING DATE: 2002-03-13  
; PRIOR APPLICATION NUMBER: US 60/108,279  
; PRIOR FILING DATE: 1998-11-12  
; PRIOR APPLICATION NUMBER: US 60/128,606  
; PRIOR FILING DATE: 1999-04-08  
; NUMBER OF SEQ ID NOS: 1074  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 1008  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Chlamydia pneumoniae  
; FEATURE:  
; OTHER INFORMATION: CPN1007  
US-09-438-185A-1008  
Query Match 31.2%; Score 5; DB 2; Length 73;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15  
Db 55 DPAVI 59

RESULT 39

US-09-489-039A-11104  
; Sequence 11104, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:

```

; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11104
; LENGTH: 78

```

ORGANISM: *Klebsiella pneumoniae*  
US-09-489-039A-11104

```
Query Match      31.2%; Score 5; DB 2; Length 78;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy	10	KDPaV	14
p <sub>b</sub>	20	KDPaV	24

## RESULT 40

US-09-198-452A-1142  
; Sequence 1142, Application US/09198452A  
; Patent No. 6559294

```

; APPLICANT: Griflais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849

```

; ORGANISM: Chlamydia pneumoniae  
US-09-198-452A-1142

Query Match 31.2%; Score 5; DB 2; Length 82;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	12	PAVIR	16
D <sub>b</sub>	51	PAVIR	55

## RESULT 41

US-09-270-767-58568  
; Sequence 58568, Application US/09270767  
; Patent No. 6703491

; GENERAL INFORMATION:  
 ; APPLICANT: Homburger et al.  
 ; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*  
 ; FILE REFERENCE: File Reference: 7326-094  
 ; CURRENT APPLICATION NUMBER: US/09/270,767  
 ; CURRENT FILING DATE: 1999-03-17

ORGANISM: *Drosophila melanogaster*

Query Match 31.2%; Score 5; DB 2; Length 82;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5: Conservative 0; Mismatches 0; Indels

Qy	12	PAVIR	16
Db	37	PAVIR	41

RESULT 42

US-09-513-999C-5870  
; Sequence 5870, Application US/09513999C  
; Patent No. 6783961

; APPLICANT: Dumas Milne Edwards, J.B.  
 ; APPLICANT: Duclert, A.  
 ; APPLICANT: Giordano, J.Y.  
 ; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins

US-09-513-999C-5870  
; ORGANISM: Homo

Query Match 31.2%; Score 5; DB 2; Length 82;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 5: Conservative 0; Mismatches 0; Indels

Qy	11	DPAVI	15
D <sub>b</sub>	23	DPAVI	27

RESULT 43

US-09-489-039A-11962  
; Sequence 11962, Application US/09489039A  
; Patent No. 6610836

```

; INVENTOR: GARY BRETON ET AL
; APPLICANT: GARY BRETON ET AL
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A

```

US-09-489-039A-11962

Query Match	31.2%	Score 5;	DB 2;	Length 107;
Best Local Similarity	100.0%;	Pred. No. 1.6e+02;		
Matches	5:	Conservative	0:	Mismatches
			0:	Indels

Qy 7 FEGKD 11  
Db 91 FEGKD 95

## RESULT 44

US-09-270-767-47503

```
; Sequence 47503, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47503
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47503

Query Match          31.2%; Score 5; DB 2; Length 127;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      89 PAVIR 93

RESULT 45
US-09-270-767-43226
; Sequence 43226, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43226
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43226

Query Match          31.2%; Score 5; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      37 PAVIR 41

RESULT 46
US-09-270-767-40911
; Sequence 40911, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40911
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-40911
```

```
Query Match          31.2%; Score 5; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
      |||||
Db      50 KDPVAV 54

RESULT 47
US-09-270-767-56127
; Sequence 56127, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56127
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-56127

Query Match          31.2%; Score 5; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPVAV 14
      |||||
Db      50 KDPVAV 54

RESULT 48
US-09-107-433-3844
; Sequence 3844, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3844:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 158 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
;   ORGANISM: Streptococcus pneumoniae
; FEATURE:
;   NAME/KEY: misc feature
;   LOCATION: (B) LOCATION 1...158
; SEQUENCE DESCRIPTION: SEQ ID NO: 3844:
US-09-107-433-3844
```

```
Query Match          31.2%; Score 5; DB 2; Length 158;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 DPAVI 15
        |||||
Db       126 DPAVI 130
```

## RESULT 49

```
US-09-732-210-558
; Sequence 558, Application US/097322210
; Patent No. 6573361
```

## GENERAL INFORMATION:

```
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 558
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Sulfolobus solfataricus
US-09-732-210-558
```

```
Query Match          31.2%; Score 5; DB 2; Length 170;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      8 EGKDP 12
        |||||
Db       138 EGKDP 142
```

## RESULT 50

```
US-09-902-540-11797
; Sequence 11797, Application US/09902540
; Patent No. 6833447
```

## GENERAL INFORMATION:

```
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
```

```
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11797
; LENGTH: 179
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11797
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```
Query Match          31.2%; Score 5; DB 2; Length 179;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      7 FEGKD 11
        |||||
Db       174 FEGKD 178
```

## RESULT 51

```
US-09-149-476-401
; Sequence 401, Application US/09149476
; Patent No. 6420526
```

## GENERAL INFORMATION:

```
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,618
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,503
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,592
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,500
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
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[illegible]

?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,636
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,874
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,910
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,864
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,631
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,845
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,892
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/057,761
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/047,595
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,599
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,588
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,585
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,586
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,590
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,594
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,589
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,593
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/047,614
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/043,578
?	EARLIER FILING DATE: 1997-04-11
?	EARLIER APPLICATION NUMBER: 60/043,576
?	EARLIER FILING DATE: 1997-04-11
?	EARLIER APPLICATION NUMBER: 60/047,501
?	EARLIER FILING DATE: 1997-05-23
?	EARLIER APPLICATION NUMBER: 60/043,670
?	EARLIER FILING DATE: 1997-04-11
?	EARLIER APPLICATION NUMBER: 60/056,632
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,664
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,876
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,881
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,909
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,875
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,862
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,887
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/056,908
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/048,964
?	EARLIER FILING DATE: 1997-06-06
?	EARLIER APPLICATION NUMBER: 60/057,650
?	EARLIER FILING DATE: 1997-09-05
?	EARLIER APPLICATION NUMBER: 60/056,884
?	EARLIER FILING DATE: 1997-08-22
?	EARLIER APPLICATION NUMBER: 60/057,669
?	EARLIER FILING DATE: 1997-09-05
?	EARLIER APPLICATION NUMBER: 60/049,610
?	EARLIER FILING DATE: 1997-06-13

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; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match      31.2%; Score 5; DB 2; Length 180;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
Db      23 DPAVI 27

RESULT 52
US-09-129-030-8
; Sequence 8, Application US/09129030A
; Patent No. 6242221
; GENERAL INFORMATION:
; APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
; TITLE OF INVENTION: GENOMIC PPO CLONES
; FILE REFERENCE: 57072-PCT-US
; CURRENT APPLICATION NUMBER: US/09/129,030A
; EARLIER FILING DATE: 1998-08-04
; EARLIER APPLICATION NUMBER: AU PN7856
; EARLIER FILING DATE: 1996-02-05
; EARLIER APPLICATION NUMBER: AU P02361
; EARLIER FILING DATE: 1996-09-16
; EARLIER APPLICATION NUMBER: PCT/AU97/00041
; EARLIER FILING DATE: 1997-01-24
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 181
; TYPE: PRT
; ORGANISM: TOBACCO
US-09-129-030-8

Query Match      31.2%; Score 5; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
Db      137 GKDPA 141

RESULT 53
US-09-443-067-10
; Sequence 10, Application US/09443067
; Patent No. 662794
; GENERAL INFORMATION:
; APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
; APPLICANT: ORGANISATION
; TITLE OF INVENTION: Polyphenol oxidase genes from banana, lettuce, tobacco and
; TITLE OF INVENTION: pineapple
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/443,067
; CURRENT FILING DATE: 1999-11-18
; EARLIER APPLICATION NUMBER: US 08/976, 222
; EARLIER FILING DATE: 1997-11-21
; EARLIER APPLICATION NUMBER: PCT/AU98/00362
; EARLIER FILING DATE: 1998-05-19
; EARLIER APPLICATION NUMBER: AU PP3898
; EARLIER FILING DATE: 1995-05-23
; EARLIER APPLICATION NUMBER: AU PP6849
; EARLIER FILING DATE: 1997-05-19
; EARLIER APPLICATION NUMBER: AU PP5600
; EARLIER FILING DATE: 1995-09-26
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 181
; TYPE: PRT
; ORGANISM: tobacco
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US-09-443-067-10

Query Match      31.2%; Score 5; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDPA 13
Db      137 GKDPA 141

RESULT 54
US-10-469-602-1
; Sequence 1, Application US/10469602
; Patent No. 6943244
; GENERAL INFORMATION:
; APPLICANT: YU, Long
; APPLICANT: ZHAO, Yong
; APPLICANT: HU, Peirong
; APPLICANT: TANG, Lisha
; APPLICANT: ZHAO, Shouyuan
; TITLE OF INVENTION: HUMAN G-TYPE LYSOZYME, THE ENCODING SEQUENCE, PREPARING METHOD AN
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 09548.0080USWO
; CURRENT APPLICATION NUMBER: US/10/469,602
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/CN01/01176
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: CN 01105523.5
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 182
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-469-602-1

Query Match      31.2%; Score 5; DB 2; Length 182;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
Db      94 DPAVI 98

RESULT 55
US-09-328-352-5217
; Sequence 5217, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 5217
; LENGTH: 186
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5217

Query Match      31.2%; Score 5; DB 2; Length 186;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDP AV 14
Db      149 KDP AV 153
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RESULT 56  
US-09-105-567A-1  
; Sequence 1, Application US/09105567A  
; Patent No. 6083700  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti  
; APPLICANT: Guegler, Karl J.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Patterson, Chandra  
; TITLE OF INVENTION: HUMAN GOOSE-TYPE LYSOZYME  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/105,567A  
; FILING DATE: HEREWITH  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cerrone, Michael C  
; REGISTRATION NUMBER: 39,132  
; REFERENCE/DOCKET NUMBER: PF-0549 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-855-0572  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 194 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: ADRENOT07  
; CLONE: 2372794  
US-09-105-567A-1

Query Match 31.2%; Score 5; DB 2; Length 194;  
Best Local Similarity 100.0%; Pred. No. 2.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15  
| | | | |  
Db 82 DPAVI 86

RESULT 57  
US-09-511-720-1  
; Sequence 1, Application US/09511720  
; Patent No. 6268164  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti  
; APPLICANT: Guegler, Karl J.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Patterson, Chandra  
; TITLE OF INVENTION: HUMAN GOOSE-TYPE LYSOZYME  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive

; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/511,720  
; FILING DATE: 23-Feb-2000  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/105,567  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cerrone, Michael C  
; REGISTRATION NUMBER: 39,132  
; REFERENCE/DOCKET NUMBER: PF-0549 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-855-0572  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 194 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: ADRENOT07  
; CLONE: 2372794  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1 :  
US-09-511-720-1

Query Match 31.2%; Score 5; DB 2; Length 194;  
Best Local Similarity 100.0%; Pred. No. 2.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15  
| | | | |  
Db 82 DPAVI 86

RESULT 58  
US-09-844-036A-1  
; Sequence 1, Application US/09844036A  
; Patent No. 6660485  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti  
; APPLICANT: Guegler, Karl J.  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Patterson, Chandra  
; TITLE OF INVENTION: HUMAN GOOSE-TYPE LYSOZYME  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/844,036A  
; FILING DATE: 26-Apr-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:



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; APPLICATION NUMBER: 09/511,720
; FILING DATE: 2000-02-23
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0549 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRENOT07
; CLONE: 2372794
; SEQUENCE DESCRIPTION: SEQ ID NO: 1 :
US-09-844-036A-1

Query Match          31.2%; Score 5; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
        |||||
Db       82 DPAVI 86

RESULT 59
US-09-311-021-168
; Sequence 168, Application US/09311021
; Patent No. 6706869
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6300-11A
; CURRENT APPLICATION NUMBER: US/09/311,021
; CURRENT FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 168
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-311-021-168

Query Match          31.2%; Score 5; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
        |||||
Db       82 DPAVI 86

RESULT 60
US-09-270-767-58891
; Sequence 58891, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58891
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-58891

Query Match          31.2%; Score 5; DB 2; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
        |||||
Db       151 PAVIR 155

RESULT 61
US-09-205-258-349
; Sequence 349, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 349
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (193)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals stop translation
US-09-205-258-349

Query Match          31.2%; Score 5; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          9 GKDPA 13
Db          157 GKDPA 161

RESULT 62
US-09-489-039A-8787
; Sequence 8787, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27

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; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8787
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8787

Query Match          31.2%; Score 5; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          12 PAVIR 16
Db          89 PAVIR 93

RESULT 63
US-10-004-860-349
; Sequence 349, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 349
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (193)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals stop translation
US-10-004-860-349

Query Match          31.2%; Score 5; DB 2; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          9 GKDPA 13
Db          157 GKDPA 161

RESULT 64
US-09-270-767-44936
; Sequence 44936, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44936
; LENGTH: 206
; TYPE: PRT

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; ORGANISM: Drosophila melanogaster  
US-09-270-767-44936

Query Match 31.2%; Score 5; DB 2; Length 206;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13  
Db 126 GKDPA 130

RESULT 65  
US-09-902-540-10257  
; Sequence 10257, Application US/09902540  
; Patent No. 6833447  
; GENERAL INFORMATION:  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Wiegand, Roger C.  
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
; FILE REFERENCE: 38-10(15849)B  
; CURRENT APPLICATION NUMBER: US/09/902,540  
; CURRENT FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,883  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 16825  
; SEQ ID NO 10257  
; LENGTH: 206  
; TYPE: PRT  
; ORGANISM: Myxococcus xanthus  
US-09-902-540-10257

Query Match 31.2%; Score 5; DB 2; Length 206;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15  
Db 122 DPAVI 126

RESULT 66  
US-09-949-016-10329  
; Sequence 10329, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10329  
; LENGTH: 208  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-10329

Query Match 31.2%; Score 5; DB 2; Length 208;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEKGD 11

Db 125 FEKGD 129

RESULT 67  
US-09-408-020-64  
; Sequence 64, Application US/09408020  
; Patent No. 6632937  
; GENERAL INFORMATION:  
; APPLICANT: Swanson, Ronald V.  
; APPLICANT: Feldman, Robert A.  
; APPLICANT: Schleper, Christa  
; TITLE OF INVENTION: NUCLEIC ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM  
; FILE REFERENCE: DCORP.002A  
; CURRENT APPLICATION NUMBER: US/09/408,020  
; CURRENT FILING DATE: 1999-09-29  
; PRIOR APPLICATION NUMBER: 60/102,294  
; PRIOR FILING DATE: 1998-09-29  
; NUMBER OF SEQ ID NOS: 123  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 64  
; LENGTH: 213  
; TYPE: PRT  
; ORGANISM: Cenarchaeum symbiosum  
US-09-408-020-64

Query Match 31.2%; Score 5; DB 2; Length 213;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 NCFEG 9  
Db 92 NCFEG 96

RESULT 68  
US-09-252-991A-30650  
; Sequence 30650, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 30650  
; LENGTH: 217  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-30650

Query Match 31.2%; Score 5; DB 2; Length 217;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13  
Db 186 GKDPA 190

RESULT 69  
US-08-924-759-4  
; Sequence 4, Application US/08924759  
; Patent No. 5962229  
; GENERAL INFORMATION:  
; APPLICANT: MCGONIGLE, BRIAN  
; APPLICANT: O'KEEFE, DANIEL

;/ TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE  
;/ TITLE OF INVENTION: ENZYMES  
;/ NUMBER OF SEQUENCES: 24  
;/ CORRESPONDENCE ADDRESS:  
;/ ADDRESSEE: E.I. DU PONT DE NEMOURS AND COMPANY  
;/ STREET: 1007 MARKET STREET  
;/ CITY: WILMINGTON  
;/ STATE: DELAWARE  
;/ COUNTRY: UNITED STATES OF AMERICA  
;/ ZIP: 19898  
;/ COMPUTER READABLE FORM:  
;/ MEDIUM TYPE: DISKETTE, 3.50 INCH  
;/ COMPUTER: IBM PC COMPATIBLE  
;/ OPERATING SYSTEM: MICROSOFT WORD FOR WINDOWS 95  
;/ SOFTWARE: MICROSOFT WORD VERSION 7.0A  
;/ CURRENT APPLICATION DATA:  
;/ APPLICATION NUMBER: US/08/924,759  
;/ FILING DATE:  
;/ CLASSIFICATION: 435  
;/ ATTORNEY/AGENT INFORMATION:  
;/ NAME: FLOYD, LINDA AXAMETHY  
;/ REGISTRATION NUMBER: 33,692  
;/ REFERENCE/DOCKET NUMBER: CL-1128  
;/ TELEPHONE: 302-892-8112  
;/ TELEFAX: 302-773-0164  
;/ INFORMATION FOR SEQ ID NO: 4:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 226 amino acids  
;/ TYPE: amino acid  
;/ STRANDEDNESS: not relevant  
;/ TOPOLOGY: not relevant  
;/ MOLECULE TYPE: protein  
;/ ORIGINAL SOURCE:  
;/ TISSUE TYPE: MAIZE  
;/ IMMEDIATE SOURCE:  
;/ LIBRARY: CS.PK0010.C5  
;/ US-08-924-759-4  
  
Query Match 31.2%; Score 5; DB 1; Length 226;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 11 DPAVI 15  
Db 135 DPAVI 139  
  
RESULT 70  
US-09-248-335-4  
; Sequence 4, Application US/09248335  
; Patent No. 6096504  
; GENERAL INFORMATION:  
; APPLICANT: MCGONIGLE, BRIAN  
; APPLICANT: O'KEEF, DANIEL  
; TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE ENZYMES  
; FILE REFERENCE: CL-1128-A  
; CURRENT APPLICATION NUMBER: US/09/248,335  
; CURRENT FILING DATE: 1999-02-10  
; EARLIER APPLICATION NUMBER: 08/924,759  
; EARLIER FILING DATE: 1997-September-05  
; NUMBER OF SEQ ID NOS: 74  
; SOFTWARE: Microsoft Word Version 7.0A  
; SEQ ID NO 4  
; LENGTH: 226  
; TYPE: PRT  
; ORGANISM: maize  
;/ US-09-248-335-4  
  
Query Match 31.2%; Score 5; DB 2; Length 226;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15  
Db 135 DPAVI 139  
  
RESULT 71  
US-09-328-352-7363  
; Sequence 7363, Application US/09328352  
; Patent No. 6562958  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC99-03PA  
; CURRENT APPLICATION NUMBER: US/09/328,352  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 8252  
; SEQ ID NO 7363  
; LENGTH: 226  
; TYPE: PRT  
; ORGANISM: Acinetobacter baumannii  
;/ US-09-328-352-7363  
  
Query Match 31.2%; Score 5; DB 2; Length 226;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 11 DPAVI 15  
Db 211 DPAVI 215  
  
RESULT 72  
US-09-107-532A-5835  
; Sequence 5835, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 5835:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 227 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
;

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/ MOLECULE TYPE: protein
/ HYPOTHETICAL: YES
/ ORIGINAL SOURCE:
/ ORGANISM: Enterococcus faecium
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (B) LOCATION 1...227
/ SEQUENCE DESCRIPTION: SEQ ID NO: 5835:
US-09-107-532A-5835

Query Match      31.2%; Score 5; DB 2; Length 227;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 FEGKD 11
      |||||
Db      135 FEGKD 139

RESULT 73
US-09-134-000C-6367
; Sequence 6367, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6367
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-6367

Query Match      31.2%; Score 5; DB 2; Length 232;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      112 PAVIR 116

RESULT 74
US-08-851-843A-63
; Sequence 63, Application US/08851843A
; Patent No. 6093809
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6093809el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,843A
/ FILING DATE: 06-MAY-1997
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/846,017
/ FILING DATE: 25-APR-1997
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/844,419
/ FILING DATE: 18-APR-1997
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/724,643
/ FILING DATE: 01-OCT-1996
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Apple, Randolph T.
/ REGISTRATION NUMBER: 36,429
/ REFERENCE/DOCKET NUMBER: 015389-002930US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 63:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 233 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 1..233
/ OTHER INFORMATION: /note= "TRT motifs from
; OTHER INFORMATION: Schizosaccharomyces pombe tez1"
US-08-851-843A-63

Query Match      31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      104 PAVIR 108

RESULT 75
US-08-974-549A-14
; Sequence 14, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; OTHER INFORMATION: Schizosaccharomyces pombe tez1"
US-08-974-549A-14

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred.No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 76
US-08-854-050-63
; Sequence 63, Application US/08854050
; Patent No. 6261836
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
```

```
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: No. 6261836el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/854,050
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..233
; OTHER INFORMATION: /note= "TRT motifs from
; OTHER INFORMATION: Schizosaccharomyces pombe tez1"
US-08-854-050-63

Query Match 31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred.No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16
Db 104 PAVIR 108

RESULT 77
US-09-430-323-63
; Sequence 63, Application US/09430323
; Patent No. 6309867
; GENERAL INFORMATION:
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APPLICANT: Cech, Thomas R.  
Lingner, Joachim  
Nakamura, Toru  
Chapman, Karen B.  
Morin, Gregg B.  
Harley, Calvin  
Andrews, William H.  
TITLE OF INVENTION: No. 6309867el Telomerase  
NUMBER OF SEQUENCES: 225  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: United States of America  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/430,323  
FILING DATE: 29-Oct-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002930US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 63:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 233 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..233  
OTHER INFORMATION: /note= "TRT motifs from  
Schizosaccharomyces pombe tez1"  
SEQUENCE DESCRIPTION: SEQ ID NO: 63:  
US-09-430-323-63

Query Match 31.2%; Score 5; DB 2; Length 233;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
|||||  
Db 104 PAVIR 108

## RESULT 78

US-08-912-951-14  
; Sequence 14, Application US/08912951  
; Patent No. 6475789  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.

APPLICANT: Lingner, Joachim  
APPLICANT: Nakamura, Toru  
APPLICANT: Chapman, Karen B.  
APPLICANT: Morin, Gregg B.  
APPLICANT: Harley, Calvin  
APPLICANT: Andrews, William H.  
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND  
THERAPEUTIC METHODS  
NUMBER OF SEQUENCES: 335  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: United States of America  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/912,951  
FILING DATE: 14-AUG-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/854,050  
FILING DATE: 09-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/846,017  
FILING DATE: 25-APR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/844,419  
FILING DATE: 18-APR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 015389-002600US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 233 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..233  
OTHER INFORMATION: /note= "TRT motifs from  
Schizosaccharomyces pombe tez1"  
US-08-912-951-14

Query Match 31.2%; Score 5; DB 2; Length 233;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
|||||  
Db 104 PAVIR 108



Query Match 31.2%; Score 5; DB 2; Length 233;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 PAVIR 16  
Db 104 PAVIR 108

RESULT 80  
US-09-721-456-14  
; Sequence 14, Application US/09721456  
; Patent No. 6617110  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin B.  
; Andrews, William H.  
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
; NUMBER OF SEQUENCES: 727  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/721,456  
; FILING DATE: 22-No. 6617110-2000  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/974,549A  
; FILING DATE: 19-NOV-1997  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; APPLICATION NUMBER: US 08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/911,312  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: US 08/912,951  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: US 08/915,503  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: WO PCT/US97/17618  
; FILING DATE: 01-OCT-1997  
; APPLICATION NUMBER: WO PCT/US97/17885  
; FILING DATE: 01-OCT-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Apple, Randolph Ted  
; REGISTRATION NUMBER: 36,429  
; REFERENCE/DOCKET NUMBER: 015389-002610US  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 233 amino acids  
; TYPE: amino acid

US-09-402-181B-14  
; Sequence 14, Application US/09402181B  
; Patent No. 6610839  
; GENERAL INFORMATION:  
; APPLICANT: Cech, Thomas R.  
; Lingner, Joachim  
; Nakamura, Toru  
; Chapman, Karen B.  
; Morin, Gregg B.  
; Harley, Calvin B.  
; Andrews, William H.  
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
; NUMBER OF SEQUENCES: 633  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/402,181B  
; FILING DATE: 29-Sep-1997  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/724,643  
; FILING DATE: 01-OCT-1996  
; APPLICATION NUMBER: US 08/844,419  
; FILING DATE: 18-APR-1997  
; APPLICATION NUMBER: US 08/846,017  
; FILING DATE: 25-APR-1997  
; APPLICATION NUMBER: US 08/851,843  
; FILING DATE: 06-MAY-1997  
; APPLICATION NUMBER: US 08/854,050  
; FILING DATE: 09-MAY-1997  
; APPLICATION NUMBER: US 08/911,312  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: US 08/912,951  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: US 08/915,503  
; FILING DATE: 14-AUG-1997  
; APPLICATION NUMBER: WO PCT/US97/17885  
; FILING DATE: 01-OCT-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ausenhus, Scott L.  
; REGISTRATION NUMBER: 42,271  
; REFERENCE/DOCKET NUMBER: 015389-002620US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 233 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: <Unknown>  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: 1..233  
; OTHER INFORMATION: /note= "TRT motifs from  
; Schizosaccharomyces pombe te21"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-09-402-181B-14

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/
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 1..233
/ OTHER INFORMATION: /note= "TRT motifs from
/ Schizosaccharomyces pombe tez1"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-721-456-14

Query Match          31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
Db      104 PAVIR 108

RESULT 81
US-09-766-253-63
/ Sequence 63, Application US/09766253
/ Patent No. 6808880
/ GENERAL INFORMATION:
/ APPLICANT: Cech, Thomas R.
/ Lingner, Joachim
/ Nakamura, Toru
/ Chapman, Karen B.
/ Morin, Gregg B.
/ Harley, Calvin
/ Andrews, William H.
/ TITLE OF INVENTION: No. 6808880el Telomerase
/ NUMBER OF SEQUENCES: 171
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, 8th Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States of America
/ ZIP: 94111
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/766,253
/ FILING DATE: 19-Jan-2001
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/846,017
/ FILING DATE: 1997-04-25
/ APPLICATION NUMBER: US 08/724,643
/ FILING DATE: 01-OCT-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Apple, Randolph T.
/ REGISTRATION NUMBER: 36,429
/ REFERENCE/DOCKET NUMBER: 015389-002920US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 63:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 233 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 1..233
/ OTHER INFORMATION: /note= "TRT motifs from
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/
/ Schizosaccharomyces pombe tez1".
/ SEQUENCE DESCRIPTION: SEQ ID NO: 63:
US-09-766-253-63

Query Match          31.2%; Score 5; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
Db      104 PAVIR 108

RESULT 82
US-10-054-295-63
/ Sequence 63, Application US/10054295
/ Patent No. 6921664
/ GENERAL INFORMATION:
/ APPLICANT: Cech, Thomas R.
/ Lingner, Joachim
/ Nakamura, Toru
/ Chapman, Karen B.
/ Morin, Gregg B.
/ Harley, Calvin
/ Andrews, William H.
/ TITLE OF INVENTION: No. 6921664el Telomerase
/ NUMBER OF SEQUENCES: 225
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, 8th Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States of America
/ ZIP: 94111
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/054,295
/ FILING DATE: 18-Jan-2002
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/854,050
/ FILING DATE: <Unknown>
/ APPLICATION NUMBER: US 08/846,017
/ FILING DATE: 25-APR-1997
/ APPLICATION NUMBER: US 08/844,419
/ FILING DATE: 18-APR-1997
/ APPLICATION NUMBER: US 08/724,643
/ FILING DATE: 01-OCT-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Apple, Randolph T.
/ REGISTRATION NUMBER: 36,429
/ REFERENCE/DOCKET NUMBER: 015389-002930US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 63:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 233 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 1..233
/ OTHER INFORMATION: /note= "TRT motifs from
/ Schizosaccharomyces pombe tez1"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 63:
US-10-054-295-63
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Query Match 31.2%; Score 5; DB 2; Length 233;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
Db 104 PAVIR 108

RESULT 83  
US-09-438-486A-63  
; Sequence 63, Application US/09438486A  
; Patent No. 6927285  
; GENERAL INFORMATION:  
; APPLICANT: CECH, THOMAS R.  
; APPLICANT: LINGNER, JOACHIM  
; APPLICANT: NAKAMURA, TORU  
; APPLICANT: CHAPMAN, KAREN B.  
; APPLICANT: MORIN, GREGG B.  
; APPLICANT: HARLEY, CALVIN  
; APPLICANT: ANDREWS, WILLIAM H.  
; TITLE OF INVENTION: GENE FOR HUMAN TELOMERASE REVERSE TRANSCRIPTASE AND  
; TITLE OF INVENTION: TELOMERASE VARIANTS  
; FILE REFERENCE: 018/062  
; CURRENT APPLICATION NUMBER: US/09/438,486A  
; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 08/851,843  
; PRIOR FILING DATE: 1997-05-06  
; PRIOR APPLICATION NUMBER: 08/846,017  
; PRIOR FILING DATE: 1997-04-25  
; PRIOR APPLICATION NUMBER: 08/844,419  
; PRIOR FILING DATE: 1997-04-18  
; PRIOR APPLICATION NUMBER: 08/724,643  
; PRIOR FILING DATE: 1996-10-01  
; NUMBER OF SEQ ID NOS: 223  
; SOFTWARE: PatentIn ver. 3.2  
; SEQ ID NO 63  
; LENGTH: 233  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant  
; OTHER INFORMATION: amino acid sequence  
US-09-438-486A-63

Query Match 31.2%; Score 5; DB 2; Length 233;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PAVIR 16  
Db 104 PAVIR 108

RESULT 84  
US-09-605-703B-2390  
; Sequence 2390, Application US/09605703B  
; Patent No. 6962989  
; GENERAL INFORMATION:  
; APPLICANT: Pompejus, Markus  
; APPLICANT: Kroger, Burkhard  
; APPLICANT: Schroder, Hartwig  
; APPLICANT: Zelder, Oskar  
; APPLICANT: Haberhauer, Gregor  
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL  
; TITLE OF INVENTION: PROTEINS  
; FILE REFERENCE: BGI-129CP  
; CURRENT APPLICATION NUMBER: US/09/605,703B  
; CURRENT FILING DATE: 2000-06-27  
; PRIOR APPLICATION NUMBER: 60/142,764  
; PRIOR FILING DATE: 1999-07-08  
; PRIOR APPLICATION NUMBER: 60/152,318

; PRIOR FILING DATE: 1999-09-03  
; NUMBER OF SEQ ID NOS: 2934  
; SEQ ID NO 2390  
; LENGTH: 238  
; TYPE: PRT  
; ORGANISM: Corynebacterium glutamicum  
US-09-605-703B-2390  
  
Query Match 31.2%; Score 5; DB 2; Length 238;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 11 DPAVI 15  
Db 106 DPAVI 110  
  
RESULT 85  
US-09-949-016-8309  
; Sequence 8309, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CLO01307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8309  
; LENGTH: 255  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8309

Query Match 31.2%; Score 5; DB 2; Length 255;  
Best Local Similarity 100.0%; Pred. No. 3.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 FEGKD 11  
Db 172 FEGKD 176

RESULT 86  
US-09-252-991A-32606  
; Sequence 32606, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 32606  
; LENGTH: 279  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-32606

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Query Match      31.2%; Score 5; DB 2; Length 279;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVIR 16
      |||||
Db      233 PAVIR 237

RESULT 87
US-09-328-352-4717
; Sequence 4717, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 4717
; LENGTH: 279
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-4717

Query Match      31.2%; Score 5; DB 2; Length 279;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAVI 15
      |||||
Db      54 DPAVI 58

RESULT 88
US-09-710-279-1426
; Sequence 1426, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1426
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-1426

Query Match      31.2%; Score 5; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
      |||||
Db      93 KDPV 97

RESULT 89
US-09-710-279-2790
; Sequence 2790, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
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; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2790
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-2790

Query Match      31.2%; Score 5; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
      |||||
Db      93 KDPV 97

RESULT 90
US-09-198-452A-629
; Sequence 629, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Grifais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 629
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-629

Query Match      31.2%; Score 5; DB 2; Length 290;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
      |||||
Db      170 KDPV 174

RESULT 91
US-09-107-532A-5601
; Sequence 5601, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
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; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
;
; INFORMATION FOR SEQ ID NO: 5601:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 294 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
;
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...294
; SEQUENCE DESCRIPTION: SEQ ID NO: 5601:
US-09-107-532A-5601

Query Match 31.2%; Score 5; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 DPAVI 15
Db 155 DPAVI 159

RESULT 92
US-09-716-964B-23
; Sequence 23, Application US/09716964B
; Patent No. 6897053
; GENERAL INFORMATION:
; APPLICANT: O'Donnell, Michael E.
; APPLICANT: Yuzhakov, Alexander
; APPLICANT: Yurieva, Olga
; APPLICANT: Jeruzalmski, David
; APPLICANT: Bruck, Irina
; APPLICANT: Kuriyan, John
; TITLE OF INVENTION: ENZYMES DERIVED FROM THERMOPHILIC ORGANISMS THAT
; TITLE OF INVENTION: FUNCTION AS A CHROMOSOMAL REPLICASE, PREPARATION AND
; FILE REFERENCE: 22221/1030
; CURRENT APPLICATION NUMBER: US/09/716,964B
; CURRENT FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: 60/143,202
; PRIOR FILING DATE: 1997-04-08
; PRIOR APPLICATION NUMBER: 08/823,407
; PRIOR FILING DATE: 1997-04-08
; PRIOR APPLICATION NUMBER: 09/057,416
; PRIOR FILING DATE: 1998-04-08
; NUMBER OF SEQ ID NOS: 212
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 294
; TYPE: PRT
; ORGANISM: Bacillus subtilis
US-09-716-964B-23
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Query Match 31.2%; Score 5; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13
Db 275 GKDPA 279

RESULT 93
US-09-270-767-46577
; Sequence 46577, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46577
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-46577

Query Match 31.2%; Score 5; DB 2; Length 305;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GKDPA 13
Db 97 GKDPA 101

RESULT 94
US-09-270-767-46556
; Sequence 46556, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46556
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-46556

Query Match 31.2%; Score 5; DB 2; Length 307;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 KDPVAV 14
Db 104 KDPVAV 108

RESULT 95
US-09-902-540-15277
; Sequence 15277, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
```

```

; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 15277
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-15277

Query Match          31.2%; Score 5; DB 2; Length 320;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
      |||||
Db      256 KDPV 260

RESULT 96
US-09-252-991A-30674
; Sequence 30674, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30674
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30674

Query Match          31.2%; Score 5; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 DPAV 15
      |||||
Db      75 DPAV 79

RESULT 97
US-09-248-796A-16963
; Sequence 16963, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16963
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-16963
```

```

Query Match          31.2%; Score 5; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 PEGK 11
      |||||
Db      145 PEGK 149

RESULT 98
US-09-252-991A-23378
; Sequence 23378, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23378
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23378

Query Match          31.2%; Score 5; DB 2; Length 330;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 GKDP 13
      |||||
Db      132 GKDP 136

RESULT 99
US-09-252-991A-19236
; Sequence 19236, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19236

Query Match          31.2%; Score 5; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 PAVI 16
      |||||
Db      27 PAVI 31

RESULT 100
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US-09-198-452A-281
; Sequence 281, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 281
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-281

Query Match      31.2%; Score 5; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 KDPV 14
      |||||
Db      24 KDPV 28

Search completed: February 15, 2006, 09:34:26
Job time : 8.11556 secs
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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:26:44 ; Search time 20.2667 Seconds  
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329.865 Million cell updates/sec

Title: US-10-030-937-72  
Perfect score: 83  
Sequence: 1 YSLPKSEFAVPDLELP 16

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\_Main:\*  
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2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	95.2	193	4	US-10-170-385-389 Sequence 389, App
2	79	95.2	193	5	US-10-723-860-529 Sequence 529, App
3	79	95.2	193	5	US-10-450-763-31079 Sequence 31079, A
4	49	59.0	894	5	US-10-732-923-8428 Sequence 8428, Ap
5	47	56.6	2710	4	US-10-153-273-12 Sequence 12, Appl
6	44.5	53.6	120	4	US-10-424-599-284187 Sequence 284187,
7	44	53.0	328	4	US-10-369-493-4173 Sequence 4173, Ap
8	44	53.0	329	4	US-10-320-797-3110 Sequence 3110, Ap
9	43.5	52.4	1383	4	US-10-021-955-82 Sequence 82, Appl
10	43.5	52.4	1383	4	US-10-021-955-86 Sequence 86, Appl
11	43.5	52.4	1383	4	US-10-021-955-87 Sequence 87, Appl
12	43.5	52.4	1383	5	US-10-514-150-8 Sequence 8, Appli
13	43.5	52.4	1389	4	US-10-021-955-79 Sequence 79, Appl
14	43	51.8	183	4	US-10-425-115-261209 Sequence 261209,
15	43	51.8	828	4	US-10-282-122A-60144 Sequence 60144, A
16	42.5	51.2	104	4	US-10-425-115-194142 Sequence 194142,
17	42.5	51.2	1391	4	US-10-021-955-85 Sequence 85, Appl
18	42.5	51.2	1398	4	US-10-408-765A-1007 Sequence 1007, Ap
19	42.5	51.2	1461	3	US-09-940-227-77 Sequence 77, Appl
20	42.5	51.2	1461	4	US-10-021-955-88 Sequence 88, Appl
21	42.5	51.2	1461	4	US-10-467-433-10 Sequence 10, Appl
22	42.5	51.2	1461	4	US-10-332-947-30 Sequence 30, Appl
23	42.5	51.2	1461	5	US-10-933-058-77 Sequence 77, Appl
24	42.5	51.2	1483	4	US-10-332-947-29 Sequence 29, Appl
25	42.5	51.2	1549	4	US-10-363-616-314 Sequence 314, App
26	42	50.6	63	4	US-10-425-115-232729 Sequence 232729,
27	42	50.6	140	4	US-10-425-115-208031 Sequence 208031,

28	42	50.6	188	3	US-09-801-944B-234 Sequence 234, App
29	42	50.6	199	4	US-10-282-122A-65806 Sequence 65806, A
30	42	50.6	300	4	US-10-425-114-69294 Sequence 69294, A
31	42	50.6	393	4	US-10-282-122A-55243 Sequence 55243, A
32	42	50.6	852	4	US-10-437-963-204585 Sequence 204585,
33	42	50.6	1040	4	US-10-437-963-140470 Sequence 140470,
34	42	50.6	1127	4	US-10-437-963-140467 Sequence 140467,
35	42	50.6	1441	5	US-10-732-923-1652 Sequence 1652, Ap
36	42	50.6	1441	5	US-10-732-923-1653 Sequence 1653, Ap
37	41.5	50.0	186	4	US-10-425-114-39728 Sequence 39728, A
38	41.5	50.0	313	4	US-10-424-599-235166 Sequence 235166,
39	41	49.4	68	4	US-10-437-963-136391 Sequence 136391,
40	41	49.4	85	4	US-10-425-115-356159 Sequence 356159,
41	41	49.4	102	4	US-10-437-963-107307 Sequence 107307,
42	41	49.4	106	4	US-10-425-115-321334 Sequence 321334,
43	41	49.4	153	4	US-10-425-114-61811 Sequence 61811, A
44	41	49.4	159	4	US-10-425-115-224622 Sequence 224622,
45	41	49.4	187	4	US-10-425-115-208030 Sequence 208030,

ALIGNMENTS

RESULT 1  
US-10-170-385-389  
; Sequence 389, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 532682000100  
; CURRENT APPLICATION NUMBER: US/10/170,385  
; CURRENT FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: PCT/GB02/01662  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: PCT/GB01/05458  
; PRIOR FILING DATE: 2001-12-10  
; NUMBER OF SEQ ID NOS: 549  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 389  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-170-385-389

Query Match 95.2%; Score 79; DB 4; Length 193;  
Best Local Similarity 93.8%; Pred. No. 5.3e-05;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVPDLELP 16  
|||  
Db 145 YSLPKSEFAVPDLELP 160

RESULT 2  
US-10-723-860-529  
; Sequence 529, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

```

; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 529
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-529

Query Match      95.2%; Score 79; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5.3e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 YSLPKSEFAVPDLELP 16
      ||||| |||||
Db     145 YSLPKSEFVVPDLELP 160

RESULT 3
US-10-450-763-31079
; Sequence 31079, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 31079
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match      95.2%; Score 79; DB 5; Length 193;
Best Local Similarity 93.8%; Pred. No. 5.3e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 YSLPKSEFAVPDLELP 16
      ||||| |||||
Db     145 YSLPKSEFVVPDLELP 160

RESULT 4
US-10-732-923-8428
; Sequence 8428, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 8428
; LENGTH: 894
; TYPE: PRT
; ORGANISM: Oryza sativa (japonica cultivar-group)
US-10-732-923-8428
\
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Query Match      59.0%; Score 49; DB 5; Length 894;
Best Local Similarity 61.5%; Pred. No. 32;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy      3 LPKSEFAVPDLEL 15
      :||| :|||
Db     817 VPRSEISIPDLEL 829

RESULT 5
US-10-153-273-12
; Sequence 12, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; Chitnis, Chetan
; Miller, Louis H.
; Peterson, David S.
; Su, Xin-zhaun
; Welles, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobb Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,273
; FILING DATE: 21-May-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2710 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Plasmodium falciparum
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-153-273-12

Query Match      56.6%; Score 47; DB 4; Length 2710;
Best Local Similarity 64.3%; Pred. No. 2.4e+02;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      3 LPKSEFAVPDLELP 16
      |||: |||||
Db     2121 LPKNDGTVPDLEKP 2134

RESULT 6
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US-10-424-599-284187
; Sequence 284187, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 284187
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_98646C.1.pap
US-10-424-599-284187

Query Match          53.6%; Score 44.5; DB 4; Length 120;
Best Local Similarity 68.8%; Pred. No. 18;
Matches 11; Conservative 1; Mismatches 3; Indels 1; Gaps 1;

Qy 1 YSLPKSEFAVPDLELP 16
Db 98 YFLPLSE-SEPDLELP 112

RESULT 7
US-10-369-493-4173
; Sequence 4173, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 4173
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Neurospora crassa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(328)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-4173

Query Match          53.0%; Score 44; DB 4; Length 328;
Best Local Similarity 61.5%; Pred. No. 69;
Matches 8; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 PKSEFAVPDLELP 16
Db 105 PKAEWXPVTLSLP 117

RESULT 8
US-10-320-797-3110
; Sequence 3110, Application US/10320797
; Publication No. US20040014955A1
; GENERAL INFORMATION:
```

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; APPLICANT: Eroshkin, Alexey M.
; APPLICANT: Zamudio, Carlos
; TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF CRYPTOCOCCUS NEOFORMANS AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 10182-021-999
; CURRENT APPLICATION NUMBER: US/10/320,797
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: 60/341,261
; PRIOR FILING DATE: 2001-12-17
; NUMBER OF SEQ ID NOS: 3361
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3110
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Cryptococcus neoformans
US-10-320-797-3110

Query Match          53.0%; Score 44; DB 4; Length 329;
Best Local Similarity 56.2%; Pred. No. 70;
Matches 9; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVPDLELP 16
Db 58 FSLPVKEFQIIDLFLP 73

RESULT 9
US-10-021-955-82
; Sequence 82, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupski, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086USI/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 82
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-82

Query Match          52.4%; Score 43.5; DB 4; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

Qy 3 LPKS-EFAVPDLELP 16
Db 453 LPKAPEAAIPDVQLP 467

RESULT 10
US-10-021-955-86
; Sequence 86, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupski, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086USI/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
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; SEQ ID NO 86
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-86

Query Match      52.4%; Score 43.5; DB 4; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY      3 LPKS-EFAVPDLELP 16
Db      453 LPKAPEAAIPDVQLP 467

RESULT 11
US-10-021-955-87
; Sequence 87, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupski, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086USi/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 87
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-87

Query Match      52.4%; Score 43.5; DB 4; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY      3 LPKS-EFAVPDLELP 16
Db      453 LPKAPEAAIPDVQLP 467

RESULT 12
US-10-514-150-8
; Sequence 8, Application US/10514150
; Publication No. US20050233957A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY COLLEGE LONDON
; APPLICANT: Kenji OKUSE
; APPLICANT: Mark BAKER
; APPLICANT: Louisa POON
; APPLICANT: John Nicholas WOOD
; APPLICANT: Misbah MALIK-HALL
; TITLE OF INVENTION: SODIUM CHANNEL REGULATORS AND MODULATORS
; FILE REFERENCE: 117-528 / N:88745B GCW
; CURRENT APPLICATION NUMBER: US/10/514,150
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: PCT/GB03/02225
; PRIOR FILING DATE: 2003-05-22
; PRIOR APPLICATION NUMBER: GB 0211833.9
; PRIOR FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 1383
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-514-150-8
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Query Match      52.4%; Score 43.5; DB 5; Length 1383;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY      3 LPKS-EFAVPDLELP 16
Db      453 LPKAPEAAIPDVQLP 467

RESULT 13
US-10-021-955-79
; Sequence 79, Application US/10021955
; Publication No. US20030039987A1
; GENERAL INFORMATION:
; APPLICANT: Lupski, James R
; APPLICANT: Boerkoel, Cornelius F
; APPLICANT: Takashima, Hiroshi
; TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies
; FILE REFERENCE: P02086USi/10026309
; CURRENT APPLICATION NUMBER: US/10/021,955
; CURRENT FILING DATE: 2001-12-13
; PRIOR APPLICATION NUMBER: US 60/255,217
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 1389
; TYPE: PRT
; ORGANISM: Rat
US-10-021-955-79

Query Match      52.4%; Score 43.5; DB 4; Length 1389;
Best Local Similarity 60.0%; Pred. No. 4.3e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY      3 LPKS-EFAVPDLELP 16
Db      453 LPKAPEAAIPDVQLP 467

RESULT 14
US-10-425-115-261209
; Sequence 261209, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 261209
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_169837C.1.pep
US-10-425-115-261209

Query Match      51.8%; Score 43; DB 4; Length 183;
Best Local Similarity 72.7%; Pred. No. 52;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      2 SLPKSEFAVPD 12
Db      25 SLPRSSFPVPD 35

RESULT 15
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US-10-282-122A-60144
; Sequence 60144, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60144
; LENGTH: 828
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-10-282-122A-60144

Query Match      51.8%; Score 43; DB 4; Length 828;
Best Local Similarity 66.7%; Pred. No. 2.9e+02;
Matches      8; Conservative      2; Mismatches      2; Indels      0; Gaps      0;

Qy      5 KSEFAVPDLELP 16
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Db      758 KADFRVPPLELP 769

Search completed: February 15, 2006, 09:32:19
Job time : 20.2667 secs
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OM protein - protein search, using sw model

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(without alignments)  
122.986 Million cell updates/sec

Title: US-10-030-937-72  
Perfect score: 83  
Sequence: 1 YSLPKSEFAVPDLELP 16

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Searched: 107799 seqs, 14211699 residues

Total number of hits satisfying chosen parameters: 107799

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA New:\*  
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2: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	95.2	201	6	US-10-821-234-1162
2	39	47.0	111	7	US-11-072-512-3918
3	39	47.0	1197	6	US-10-055-877-8
4	38	45.8	433	6	US-10-821-234-1353
5	37	44.6	97	6	US-10-986-501-113
6	37	44.6	368	6	US-10-858-730-217
7	37	44.6	527	7	US-11-113-424-81
8	37	44.6	3157	7	US-11-052-554A-142
9	36.5	44.0	578	6	US-10-858-730-103
10	36	43.4	209	6	US-10-793-626-2904
11	36	43.4	529	7	US-11-113-424-82
12	36	43.4	729	7	US-11-099-691-3
13	36	43.4	804	7	US-11-098-686-10592
14	36	43.4	956	7	US-11-016-706-40
15	36	43.4	2542	7	US-11-124-367A-363
16	36	43.4	3635	7	US-11-019-711-47
17	35.5	42.8	941	6	US-10-131-826A-464
18	35.5	42.8	941	7	US-11-124-368A-191
19	35.5	42.8	941	7	US-11-124-368A-193
20	35.5	42.8	948	7	US-11-124-368A-192
21	35.5	42.8	966	7	US-11-054-281-71
22	35.5	42.8	974	7	US-11-054-281-73
23	35	42.2	729	6	US-10-485-517-222
24	35	42.2	122	7	US-11-098-686-11387
25	35	42.2	199	6	US-10-467-657-2460

26	35	42.2	221	7	US-11-072-512-3182	Sequence 3182, Ap
27	35	42.2	259	6	US-10-467-657-3518	Sequence 3518, Ap
28	35	42.2	276	6	US-10-821-234-1501	Sequence 1501, Ap
29	35	42.2	333	6	US-10-873-528-43	Sequence 43, Appl
30	35	42.2	748	7	US-11-090-617-692	Sequence 692, Appl
31	35	42.2	766	7	US-11-144-985-9	Sequence 9, Appli
32	35	42.2	931	6	US-10-517-939-290	Sequence 290, App
33	35	42.2	1020	6	US-10-513-786-4	Sequence 4, Appli
34	35	42.2	1900	6	US-10-513-786-3	Sequence 3, Appli
35	35	42.2	3704	6	US-10-513-786-1	Sequence 1, Appli
36	34.5	41.6	566	7	US-11-072-512-2407	Sequence 2407, Ap
37	34	41.0	269	6	US-10-983-120-13	Sequence 13, Appl
38	34	41.0	479	7	US-11-170-123-3	Sequence 3, Appli
39	34	41.0	492	7	US-11-170-123-4	Sequence 4, Appli
40	34	41.0	585	6	US-10-821-234-1489	Sequence 1489, Ap
41	34	41.0	674	6	US-10-131-826A-36	Sequence 36, Appl
42	34	41.0	791	7	US-11-072-512-2307	Sequence 2307, Ap
43	34	41.0	858	7	US-11-072-512-2918	Sequence 2918, Ap
44	34	41.0	1387	7	US-11-077-386-28	Sequence 28, Appl
45	34	41.0	1481	7	US-11-077-386-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1  
US-10-821-234-1162  
; Sequence 1162, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; PRIOR FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_SEQ\_genes Version 1.0  
; SEQ ID NO 1162  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1162

Query Match 95.2%; Score 79; DB 6; Length 201;  
Best Local Similarity 93.8%; Pred. No. 1.7e-06;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 1 YSLPKSEFAVPDLELP 16  
|||||||  
Db 153 YSLPKSEFVVPDLELP 168

RESULT 2  
US-11-072-512-3918  
; Sequence 3918, Application US/11072512  
; Publication No. US20060029945A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: ISONO, YUUKO  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI



; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: SEKI, NAOHIKO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: Novel full length cDNA  
; FILE REFERENCE: 084335-0191  
; CURRENT APPLICATION NUMBER: US/11/072,512  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: US 60/350,978  
; PRIOR FILING DATE: 2002-01-25  
; PRIOR APPLICATION NUMBER: JP 2001-379298  
; PRIOR FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3918  
; LENGTH: 111  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-072-512-3918

Query Match 47.0%; Score 39; DB 7; Length 111;  
Best Local Similarity 66.7%; Pred. No. 5.6;  
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SLPKSEFAVPDL 13  
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Db 2 SLPKFEISSPDL 13

RESULT 3  
US-10-055-877-8  
; Sequence 8, Application US/10055877  
; Publication No. US20050288241A1  
; GENERAL INFORMATION:  
; APPLICANT: DeCristofaro, Marc  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Miller, Charles  
; APPLICANT: Tchernev, Velizar  
; APPLICANT: Zhong, Mei  
; APPLICANT: Anderson, David  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Gerlach, Valerie  
; APPLICANT: Spytek, Kimberly  
; APPLICANT: Ratelli, Luca  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Guo, Xiaojia  
; APPLICANT: Zerhusen, Bryan  
; APPLICANT: Andrew, David  
; APPLICANT: Mezes, Peter  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Burgess, Cahterine  
; APPLICANT: Eisen, Andrew  
; APPLICANT: Wolenc, Adam  
; APPLICANT: Baumgartner, Jason  
; APPLICANT: Shimkets, Richard  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Vernet, Corine  
; APPLICANT: Taupier Jr., Raymond  
; APPLICANT: Pena, Carol  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Li, Li  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ference  
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby  
; FILE REFERENCE: 21402-251  
; CURRENT APPLICATION NUMBER: US/10/055,877  
; CURRENT FILING DATE: 2002-01-22  
; PRIOR APPLICATION NUMBER: 60/262,892  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: 60/263,598

; PRIOR FILING DATE: 2001-01-23  
; PRIOR APPLICATION NUMBER: 60/263,799  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: 60/264,117  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 60/264,139  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 60/264,478  
; PRIOR FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: 60/263,351  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: 60/272,870  
; PRIOR FILING DATE: 2001-03-02  
; PRIOR APPLICATION NUMBER: 60/275,990  
; PRIOR FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 60/275,927  
; PRIOR FILING DATE: 2001-03-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 512  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 8  
; LENGTH: 1197  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-055-877-8

Query Match 47.0%; Score 39; DB 6; Length 1197;  
Best Local Similarity 53.8%; Pred. No. 87;  
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 YSLPKSEFAVPDL 13  
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Db 1043 YGTEKDEFDIPDL 1055

RESULT 4  
US-10-821-234-1353  
; Sequence 1353, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_seq\_genes Version 1.0  
; SEQ ID NO 1353  
; LENGTH: 433  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1353  
  
Query Match 45.8%; Score 38; DB 6; Length 433;  
Best Local Similarity 70.0%; Pred. No. 40;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 5 KSEFAVPDL 14  
| | | | : | | |  
Db 340 KIEFSLPDLE 349  
  
RESULT 5  
US-10-986-501-113  
; Sequence 113, Application US/10986501  
; Publication No. US20050244845A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.

; TITLE OF INVENTION: 90 Human Secreted Proteins  
; FILE REFERENCE: P2013P2C1  
; CURRENT APPLICATION NUMBER: US/10/986,501  
; CURRENT FILING DATE: 2004-11-12  
; PRIOR APPLICATION NUMBER: US/10/621,363  
; PRIOR FILING DATE: 2003-07-18  
; PRIOR APPLICATION NUMBER: 09/969,730  
; PRIOR FILING DATE: 2001-10-06  
; PRIOR APPLICATION NUMBER: 09/774,639  
; PRIOR FILING DATE: 2001-02-01  
; PRIOR APPLICATION NUMBER: 60/238,291  
; PRIOR FILING DATE: 2000-10-06  
; PRIOR APPLICATION NUMBER: 09/244,112  
; PRIOR FILING DATE: 1999-02-04  
; PRIOR APPLICATION NUMBER: PCT/US98/16235  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/056,371  
; PRIOR FILING DATE: 1997-08-19  
; PRIOR APPLICATION NUMBER: 60/056,732  
; PRIOR FILING DATE: 1997-08-19  
; PRIOR APPLICATION NUMBER: 60/056,366  
; PRIOR FILING DATE: 1997-08-19  
; PRIOR APPLICATION NUMBER: 60/056,364  
; PRIOR FILING DATE: 1997-08-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 373  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 113  
; LENGTH: 97  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-986-501-113

Query Match 44.6%; Score 37; DB 6; Length 97;  
Best Local Similarity 53.3%; Pred. No. 10;  
Matches 8; Conservative 1; Mismatches 6; Indels 6; Gaps 0;

Qy 2 SLPKSEFAVPDLELP 16  
| | | | | | | | | |  
Db 70 SSPKVLAITDLSLP 84

RESULT 6  
US-10-858-730-217  
; Sequence 217, Application US/10858730  
; Publication No. US20050255568A1  
; GENERAL INFORMATION:  
; APPLICANT: Bailey, Richard B.  
; APPLICANT: Blomquist, Paul  
; APPLICANT: Doten, Reed  
; APPLICANT: Driggers, Edward M.  
; APPLICANT: Madden, Kevin T.  
; APPLICANT: O'Leary, Jessica  
; APPLICANT: O'Toole, George  
; APPLICANT: Trueheart, Joshua  
; APPLICANT: Walbridge, Michael J.  
; APPLICANT: Yorgey, Peter S.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID  
; TITLE OF INVENTION: PRODUCTION  
; FILE REFERENCE: 14184-030001  
; CURRENT APPLICATION NUMBER: US/10/858,730  
; CURRENT FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: US 60/475,000  
; PRIOR FILING DATE: 2003-05-30  
; PRIOR APPLICATION NUMBER: US 60/551,860  
; PRIOR FILING DATE: 2004-03-10  
; NUMBER OF SEQ ID NOS: 364  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 217  
; LENGTH: 368  
; TYPE: PRT  
; ORGANISM: Coryne-bacterium glutamicum  
US-10-858-730-217

Query Match 44.6%; Score 37; DB 6; Length 368;  
Best Local Similarity 60.0%; Pred. No. 49;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;  
Qy 4 PKSEFAVPDL 13  
| : | | | :  
Db 80 PESVFAIPDV 89

RESULT 7  
US-11-113-424-81  
; Sequence 81, Application US/11113424  
; Publication No. US20050260713A1  
; GENERAL INFORMATION:  
; APPLICANT: Gangolli et al.  
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-225  
; CURRENT APPLICATION NUMBER: US/11/113,424  
; CURRENT FILING DATE: 2005-04-21  
; PRIOR APPLICATION NUMBER: 60/256,704  
; PRIOR FILING DATE: 2000-12-19  
; PRIOR APPLICATION NUMBER: 60/311,590  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/257,314  
; PRIOR FILING DATE: 2000-12-20  
; PRIOR APPLICATION NUMBER: 60/311,613  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/315,617  
; PRIOR FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: 60/307,506  
; PRIOR FILING DATE: 2001-07-24  
; PRIOR APPLICATION NUMBER: 60/322,358  
; PRIOR FILING DATE: 2001-09-14  
; PRIOR APPLICATION NUMBER: 60/294,075  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: 60/288,153  
; PRIOR FILING DATE: 2001-05-02  
; NUMBER OF SEQ ID NOS: 190  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 81  
; LENGTH: 527  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-113-424-81

Query Match 44.6%; Score 37; DB 7; Length 527;  
Best Local Similarity 54.5%; Pred. No. 74;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 YSLPKSEFAVP 11  
| : | : | : | :  
Db 473 YTCPRSAFSVP 483

RESULT 8  
US-11-052-554A-142  
; Sequence 142, Application US/11052554A  
; Publication No. US2005028866A1  
; GENERAL INFORMATION:  
; APPLICANT: Sachdeva, et al.  
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE  
; TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL  
; FILE REFERENCE: 30853/40359A  
; CURRENT APPLICATION NUMBER: US/11/052,554A  
; CURRENT FILING DATE: 2005-02-07  
; PRIOR APPLICATION NUMBER: US 60/589,227  
; PRIOR FILING DATE: 2004-07-20  
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004  
; PRIOR FILING DATE: 2004-02-06  
; NUMBER OF SEQ ID NOS: 763  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 142

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; LENGTH: 3157
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-142

Query Match      44.6%; Score 37; DB 7; Length 3157;
Best Local Similarity 66.7%; Pred. No. 5.8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      8 FAVPDLELP 16
      |||||: :|
Db      1064 FAVPDIP 1072

RESULT 9
US-10-858-730-103
; Sequence 103, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madgen, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; TITLE OF INVENTION: PRODUCTION
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 578
; TYPE: PRT
; ORGANISM: Streptomyces coelicolor
US-10-858-730-103

Query Match      44.0%; Score 36.5; DB 6; Length 578;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 8; Conservative 3; Mismatches 0; Indels 1; Gaps 1;

QY      6 SEFAVPD-LELP 16
      |||||: |||
Db      67 SEFSLPDGLEVP 78

RESULT 10
US-10-793-626-2904
; Sequence 2904, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2904
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Artificial Sequence
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2904

Query Match      43.4%; Score 36; DB 6; Length 209;
Best Local Similarity 58.3%; Pred. No. 38;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      3 LPKSEFAVPDLE 14
      |||||: |||
Db      123 LPKGLFTFPELE 134

RESULT 11
US-11-113-424-82
; Sequence 82, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 82
; LENGTH: 529
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-82

Query Match      43.4%; Score 36; DB 7; Length 529;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      1 YSLPKSEFAVPD 12
      |:|:|: ||
Db      459 YTCPRSAFSGPD 470

RESULT 12
US-11-099-691-3
; Sequence 3, Application US/11099691
; Publication No. US20050260644A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: BANDMAN, Olga
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: PATTERSON, Chandra
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: YANG, Junming
```

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; TITLE OF INVENTION: CELL SIGNALING PROTEINS
; FILE REFERENCE: PF-0521 PCT
; CURRENT APPLICATION NUMBER: US/11/099,691
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: US/09/700,444
; PRIOR FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 60/085,343
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/098,010
; PRIOR FILING DATE: 1998-08-26
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte Clone 1250171
US-11-099-691-3
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Query Match 43.4%; Score 36; DB 7; Length 729;
Best Local Similarity 60.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
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Qy 1 YSLPKSEFAV 10
|:|:|:|:
Db 105 YGLPESEFLI 114
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RESULT 13
US-11-098-686-10592
; Sequence 10592, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10592
; LENGTH: 804
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10592
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```
Query Match 43.4%; Score 36; DB 7; Length 804;
Best Local Similarity 66.7%; Pred. No. 1.8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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```
Qy 4 PKSEFAVPD 12
|:|:|:|:
Db 739 PESDFPVPD 747
```

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RESULT 14
US-11-016-706-40
; Sequence 40, Application US/11016706
; Publication No. US20050244334A1
; GENERAL INFORMATION:
; APPLICANT: CASTILLO, GERARDO
; APPLICANT: LAKE, THOMAS P.
; APPLICANT: NGUYEN, BETH P.
; APPLICANT: SANDERS, VIRGINIA J.
; APPLICANT: SNOW, ALAN D.
; TITLE OF INVENTION: SMALL PEPTIDES FOR THE TREATMENT OF ALZHEIMER'S DISEASE AND
```

```
; TITLE OF INVENTION: OTHER BETA-AMYLOID PROTEIN FIBRILLOGENESIS DISORDERS
; FILE REFERENCE: PROTEO.P03CI3
; CURRENT APPLICATION NUMBER: US/11/016,706
; CURRENT FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 09/962,955
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/938,275
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 08/947,057
; PRIOR FILING DATE: 1997-10-08
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 40
; LENGTH: 956
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-016-706-40
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Query Match 43.4%; Score 36; DB 7; Length 956;
Best Local Similarity 66.7%; Pred. No. 2.2e+02;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
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```
Qy 2 SLPKSEFAVPDL 13
|:|:|:|:|:|
Db 883 SLPKSSTARPEL 894
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```
RESULT 15
US-11-124-367A-363
; Sequence 363, Application US/11124367A
; Publication No. US200600024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 363
; LENGTH: 2542
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-367A-363
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Query Match 43.4%; Score 36; DB 7; Length 2542;
Best Local Similarity 50.0%; Pred. No. 6.7e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
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Qy 2 SLPKSEFAVPDL 13
|:|:|:|:|:|
Db 487 TLPEQLVVPDL 498
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Job time : 1.84889 secs
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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:07:30 ; Search time 6.11556 Seconds  
(without alignments)  
216.303 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 83

Sequence: 1 YSLPKSEFAVPDLELP 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/1/iaa/6 COMB.pep.\*  
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4: /cgn2\_6/ptodata/1/iaa/PCTUS COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/RE COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	95.2	178	2	US-09-183-841-2
2	79	95.2	193	2	US-09-183-841-1
3	47	56.6	2710	1	US-08-568-459A-12
4	47	56.6	2710	1	US-08-487-826B-12
5	47	56.6	2710	2	US-09-210-288-12
6	47	56.6	2710	2	US-10-153-273-12
7	47	56.6	3060	1	US-08-487-826B-14
8	44	53.0	307	2	US-09-543-681A-4241
9	43	51.8	471	2	US-08-911-853-4
10	43	51.8	471	2	US-09-479-409-4
11	43	51.8	471	2	US-09-479-453-4
12	43	51.8	812	2	US-09-489-039A-14282
13	41	49.4	74	2	US-09-902-540-11402
14	41	49.4	186	2	US-09-107-532A-5213
15	41	49.4	226	2	US-09-107-532A-6759
16	41	49.4	366	2	US-09-252-991A-26920
17	41	49.4	510	2	US-08-948-564-4
18	40.5	48.8	476	2	US-09-248-796A-20470
19	40	48.2	112	2	US-09-489-039A-14284
20	40	48.2	251	2	US-09-248-796A-19708
21	40	48.2	4536	2	US-09-180-422B-27
22	40	48.2	4536	2	US-09-079-030-1
23	40	48.2	4563	2	US-09-108-006C-1
24	40	48.2	4563	2	US-09-538-092-842
25	39.5	47.6	548	2	US-09-252-991A-21629
26	39	47.0	40	2	US-09-079-030-76
27	39	47.0	111	2	US-10-104-047-3918

28	39	47.0	580	2	US-09-489-039A-14205	Sequence 14205, A
29	39	47.0	776	2	US-09-252-991A-17570	Sequence 17570, A
30	39	47.0	900	2	US-09-107-532A-5284	Sequence 5284, Ap
31	38.5	46.4	233	2	US-09-094-148-2	Sequence 2, Appli
32	38	45.8	22	2	US-09-079-030-79	Sequence 79, Appl
33	38	45.8	337	2	US-09-252-991A-16766	Sequence 16766, A
34	38	45.8	349	2	US-09-270-767-42023	Sequence 42023, A
35	38	45.8	421	2	US-09-198-452A-535	Sequence 535, App
36	38	45.8	423	2	US-09-248-796A-19425	Sequence 19425, A
37	38	45.8	429	2	US-09-438-185A-497	Sequence 497, App
38	38	45.8	433	2	US-09-538-092-1088	Sequence 1088, Ap
39	38	45.8	442	2	US-09-949-016-11671	Sequence 11671, A
40	38	45.8	537	2	US-08-886-886-17	Sequence 17, Appl
41	38	45.8	547	2	US-09-107-532A-5905	Sequence 5905, Ap
42	38	45.8	564	2	US-09-543-681A-6932	Sequence 6932, Ap
43	38	45.8	593	2	US-10-447-322-2	Sequence 2, Appli
44	38	45.8	697	1	US-08-674-351-4	Sequence 4, Appli
45	38	45.8	840	2	US-09-079-030-214	Sequence 214, App

ALIGNMENTS

RESULT 1  
US-09-183-841-2  
; Sequence 2, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: His tag at residues 1 to 17  
; OTHER INFORMATION: Description of Artificial Sequence: amino acid  
; OTHER INFORMATION: sequence of GM2 protein using His6 tag  
US-09-183-841-2

Query Match	95.2%	Score 79;	DB 2;	Length 178;
Best Local Similarity	93.8%	Pred. No. 1.8e-06;		
Matches	15;	Conservative	0;	Mismatches 1; Indels 0; Gaps 0;
QY	1	YSLPKSEFAVPDLELP 16		
Db	130	YSLPKSEFAVPDLELP 145		

RESULT 2  
US-09-183-841-1  
; Sequence 1, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL

; LOCATION: (33)..(55)  
; FEATURE:  
; OTHER INFORMATION: residues 56-63 are included in a further precursor  
; OTHER INFORMATION: form of the protein  
US-09-183-841-1

Query Match 95.2%; Score 79; DB 2; Length 193;  
Best Local Similarity 93.8%; Pred. No. 2e-06;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 YSLPKSEFAVPDLELP 16  
|||::|||  
Db 145 YSLPKSEFWVPDLELP 160

RESULT 3  
US-08-568-459A-12  
; Sequence 12, Application US/08568459A  
; Patent No. 5849306  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe Martens Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: US  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/568,459A  
; FILING DATE: 07-DEC-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israel, Ned  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH121.001CP1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2710 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Plasmodium falciparum  
US-08-568-459A-12

Query Match 56.6%; Score 47; DB 1; Length 2710;  
Best Local Similarity 64.3%; Pred. No. 31;  
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16  
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Db 2121 LPKNDGTVPDLEKP 2134

US-08-568-459A-12  
; Sequence 12, Application US/08568459A  
; Patent No. 5849306  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe Martens Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: US  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/568,459A  
; FILING DATE: 07-DEC-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israel, Ned  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH121.001CP1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2710 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Plasmodium falciparum  
US-08-568-459A-12

Query Match 56.6%; Score 47; DB 1; Length 2710;  
Best Local Similarity 64.3%; Pred. No. 31;  
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16  
|||::|||  
Db 2121 LPKNDGTVPDLEKP 2134

RESULT 4  
US-08-487-826B-12  
; Sequence 12, Application US/08487826B  
; Patent No. 5993827  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe Martens Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: US  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/487,826B  
; FILING DATE: 10-SEP-1993  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israel, Ned  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH121.001CP1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2710 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Plasmodium falciparum  
US-08-487-826B-12

Query Match 56.6%; Score 47; DB 1; Length 2710;  
Best Local Similarity 64.3%; Pred. No. 31;  
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16  
|||::|||  
Db 2121 LPKNDGTVPDLEKP 2134

RESULT 5  
US-09-210-288-12  
; Sequence 12, Application US/09210288  
; Patent No. 6392026  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:



ADDRESSEE: Knobbe Martens Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: California  
COUNTRY: US  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/210,288  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Fuller, Michael  
REGISTRATION NUMBER: 36,516  
REFERENCE/DOCKET NUMBER: NIH121.1FWDV1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 235-8550  
TELEFAX: (619) 235-0176  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2710 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Plasmodium falciparum  
US-09-210-288-12

Query Match 56.6%; Score 47; DB 2; Length 2710;  
Best Local Similarity 64.3%; Pred. No. 31;  
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16  
|||:: |||||  
Db 2121 LPKNDGTVPDLEKP 2134

## RESULT 6

US-10-153-273-12  
Sequence 12, Application US/10153273  
Patent No. 6962987  
GENERAL INFORMATION:  
APPLICANT: Sim, Kim L.  
Chitnis, Chetan  
Miller, Louis H.  
Peterson, David S.  
Su, Xin-zhaun  
Wellens, Thomas E.  
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe Martens Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: California  
COUNTRY: US  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/153,273  
FILING DATE: 21-May-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/210,288  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Fuller, Michael  
REGISTRATION NUMBER: 36,516  
REFERENCE/DOCKET NUMBER: NIH121.1FWDV1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 235-8550  
TELEFAX: (619) 235-0176  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2710 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Plasmodium falciparum  
US-10-153-273-12

Query Match 56.6%; Score 47; DB 2; Length 2710;  
Best Local Similarity 64.3%; Pred. No. 31;  
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 LPKSEFAVPDLELP 16  
|||:: |||||  
Db 2121 LPKNDGTVPDLEKP 2134

## RESULT 7

US-08-487-826B-14  
Sequence 14, Application US/08487826B  
Patent No. 5993827  
GENERAL INFORMATION:  
APPLICANT: Sim, Kim L.  
Chitnis, Chetan  
Miller, Louis H.  
Peterson, David S.  
Su, Xin-zhaun  
Wellens, Thomas E.  
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
NUMBER OF SEQUENCES: 45  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe Martens Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: California  
COUNTRY: US  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/487,826B  
FILING DATE: 10-SEP-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Israelsen, Ned  
REGISTRATION NUMBER: 29,655  
REFERENCE/DOCKET NUMBER: NIH121.001CP1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 235-8550  
TELEFAX: (619) 235-0176  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3060 amino acids  
TYPE: amino acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-487-826B-14

Query Match      56.6%; Score 47; DB 1; Length 3060;
Best Local Similarity 64.3%; Pred. No. 36;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      3 LPKSEFAVPDLPL 16
      |||: |||||
Db      2119 LPKNDGTVPDLEK 2132

RESULT 8
US-09-543-681A-4241
; Sequence 4241, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709,1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4241
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4241

Query Match      53.0%; Score 44; DB 2; Length 307;
Best Local Similarity 50.0%; Pred. No. 7.5;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy      1 YSLPKSEFAVPDL 14
      |||: |||:
Db      220 YSLPQPQFTDPDIQ 233

RESULT 9
US-08-911-853-4
; Sequence 4, Application US/08911853
; Patent No. 6048710
; GENERAL INFORMATION:
; APPLICANT: Gerritse, Gijbert
; APPLICANT: Quax, Wilhelmus J.
; TITLE OF INVENTION: EXPRESSION SYSTEM FOR ALTERED
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genencor International
; STREET: 925 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1013
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,853
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/699,092
; FILING DATE: 16-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Glaister, Debra J
```

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; REGISTRATION NUMBER: 33,888
; REFERENCE/DOCKET NUMBER: GC361-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-846-7620
; TELEFAX: 650-845-6504
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-911-853-4

Query Match      51.8%; Score 43; DB 2; Length 471;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy      1 YSLPKSEFAVPDLPL 16
      |||: |||:
Db      41 YSIPTFDLVVSDLRP 56

RESULT 10
US-09-479-409-4
; Sequence 4, Application US/09479409
; Patent No. 6225106
; GENERAL INFORMATION:
; APPLICANT: Gerritse, Gijbert
; APPLICANT: Quax, Wilhelmus J.
; TITLE OF INVENTION: EXPRESSION SYSTEM FOR ALTERED
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genencor International
; STREET: 925 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1013
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,409
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/911,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Glaister, Debra J
; REGISTRATION NUMBER: 33,888
; REFERENCE/DOCKET NUMBER: GC361-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-846-7620
; TELEFAX: 650-845-6504
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-479-409-4

Query Match      51.8%; Score 43; DB 2; Length 471;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy      1 YSLPKSEFAVPDLPL 16
      |||: |||:
Db      41 YSIPTFDLVVSDLRP 56
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;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5213:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 186 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
;
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...186
; SEQUENCE DESCRIPTION: SEQ ID NO: 5213:
US-09-107-532A-5213

Query Match          49.4%; Score 41; DB 2; Length 186;
Best Local Similarity 64.3%; Pred. No. 14;
Matches 9; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      2 SLPKSEFAVPDLEL 15
Db      37 SLPISRFAAPDCAL 50

RESULT 15
US-09-107-532A-6759
; Sequence 6759, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6759:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 226 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
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; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...226
; SEQUENCE DESCRIPTION: SEQ ID NO: 6759:
US-09-107-532A-6759

Query Match          49.4%; Score 41; DB 2; Length 226;
Best Local Similarity 50.0%; Pred. No. 18;
Matches 6; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY      2 SLPKSEFAVPDL 13
Db      196 NLPSAEYVIPDL 207

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GenCore version 5.1.7  
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Perfect score: 83  
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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0  
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Total number of hits satisfying chosen parameters: 19587084  
Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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-TRANS=human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100  
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0  
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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA\_Main.\*  
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10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	95.2	448	3	US-09-969-034-4215 Sequence 4215, Ap
2	79	95.2	953	8	US-10-723-860-528 Sequence 528, App
3	79	95.2	1935	3	US-09-971-392-102 Sequence 102, App
4	79	95.2	2384	3	US-09-822-849A-53 Sequence 53, Appl
5	79	95.2	2436	3	US-09-954-531-380 Sequence 380, App
6	79	95.2	2436	3	US-09-954-531-380 Sequence 380, App
7	79	95.2	2436	9	US-10-843-641A-1447 Sequence 1447, Ap

8	79	95.2	2471	9	US-10-450-763-711 Sequence 711, App
9	79	95.2	2478	6	US-10-170-385-390 Sequence 390, App
c 10	79	95.2	2498	9	US-10-450-763-16917 Sequence 16917, A
11	79	95.2	3988	8	US-10-723-860-5187 Sequence 5187, Ap
c 12	79	95.2	25000	6	US-10-225-810-26 Sequence 26, Appl
13	69	83.1	1983	6	US-10-388-934-167 Sequence 167, App
14	68	81.9	596	9	US-10-972-079-7219 Sequence 7219, Ap
15	68	81.9	599	9	US-10-972-079-7218 Sequence 7218, Ap
c 16	53	63.9	1098	9	US-10-450-763-20108 Sequence 20108, A
17	49	59.0	2269	7	US-10-437-963-4335 Sequence 4335, Ap
c 18	48	57.8	475	7	US-10-021-323-4461 Sequence 4461, Ap
19	48	57.8	475	8	US-10-767-795-2700 Sequence 2700, Ap
c 20	48	57.8	578	4	US-09-925-065A-849890 Sequence 849890,
21	48	57.8	581	4	US-09-925-065A-851142 Sequence 851142,
c 22	48	57.8	2796	7	US-10-437-963-97626 Sequence 97626, A
c 23	48	57.8	3335	7	US-10-437-963-97629 Sequence 97629, A
c 24	47	56.6	790	8	US-10-653-047-4552 Sequence 4552, Ap
c 25	47	56.6	3700	8	US-10-899-942-6 Sequence 6, Appli
c 26	47	56.6	4210	10	US-11-097-143-12284 Sequence 12284, A
c 27	47	56.6	4318	10	US-11-097-143-28922 Sequence 28922, A
28	47	56.6	8220	5	US-10-153-273-11 Sequence 11, Appl
c 29	47	56.6	9280	2	US-08-781-986A-131 Sequence 131, App
30	47	56.6	9280	7	US-10-329-624-131 Sequence 131, App
c 31	47	56.6	13713	10	US-11-097-143-28921 Sequence 28921, A
c 32	47	56.6	13749	10	US-11-097-143-12283 Sequence 12283, A
c 33	47	56.6	68233	6	US-10-034-650-31 Sequence 31, Appl
c 34	47	56.6	122614	5	US-10-087-192-1726 Sequence 1726, Ap
c 35	47	56.6	402850	3	US-09-844-653-5 Sequence 5, Appli
c 36	46	55.4	442	8	US-10-425-115-45305 Sequence 45305, A
37	46	55.4	535	5	US-10-027-632-246658 Sequence 246658,
38	46	55.4	535	6	US-10-027-632-246658 Sequence 246658,
c 39	46	55.4	546	4	US-09-925-065A-445784 Sequence 445784,
c 40	46	55.4	546	4	US-09-925-065A-445785 Sequence 445785,
c 41	46	55.4	1062	3	US-09-894-844-61 Sequence 61, Appl
c 42	46	55.4	1062	7	US-10-388-902-61 Sequence 61, Appl
c 43	46	55.4	1062	7	US-10-647-089-61 Sequence 61, Appl
44	46	55.4	1195	9	US-10-450-763-10876 Sequence 10876, A
45	46	55.4	4999	6	US-10-225-486-50 Sequence 50, Appl

ALIGNMENTS

RESULT 1  
US-09-969-034-4215  
; Sequence 4215, Application US/09969034  
; Publication No. US20040110668A1  
; GENERAL INFORMATION:  
; APPLICANT: Burgess, Christopher C.  
; APPLICANT: Astle, Jon H.  
; APPLICANT: Carroll, Eddie III  
; APPLICANT: Catino, Theodore J.  
; APPLICANT: Dwivedi, Poornima  
; APPLICANT: Molino, Gary A.  
; APPLICANT: Thiagalingam, Arunthathi  
; APPLICANT: Lewis, Marcia E.  
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially  
; TITLE OF INVENTION: Expressed in Cancer Tissue  
; FILE REFERENCE: 1657/1032  
; CURRENT APPLICATION NUMBER: US/09/969,034  
; CURRENT FILING DATE: 2001-10-02  
; PRIOR APPLICATION NUMBER: 60/237,271  
; PRIOR FILING DATE: 2000-02-10  
; NUMBER OF SEQ ID NOS: 4494  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4215  
; LENGTH: 448  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 241, 277, 288, 295, 299, 300, 304, 310, 316, 343, 346, 356,  
; LOCATION: 364, 370, 396, 397, 406, 410, 415, 424, 437  
; OTHER INFORMATION: n = A,T,C or G

US-09-969-034-4215

Alignment Scores:  
Pred. No.: 3.6e-05 Length: 448  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-969-034-4215 (1-448)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 43 TACTCACTGCCCAAGAGCGAATTCGTTGCGCTGACCTGGAGCTGCCC 90

RESULT 2

US-10-723-860-528  
; Sequence 528, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; FILE REFERENCE: 05882.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR APPLICATION NUMBER: 60/429,739  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 528  
; LENGTH: 953  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-723-860-528

Alignment Scores:  
Pred. No.: 8.56e-05 Length: 953  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 8 Gaps: 0

US-10-030-937-72 (1-16) x US-10-723-860-528 (1-953)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 523 TACTCACTGCCCAAGAGCGAATTCGTTGCGCTGACCTGGAGCTGCCC 570

RESULT 3

US-09-971-392-102  
; Sequence 102, Application US/09971392  
; Publication No. US20030134283A1  
; GENERAL INFORMATION:  
; APPLICANT: Peterson, David P.  
; APPLICANT: Pearson, Cecelia I.  
; APPLICANT: Cocks, Benjamin G.  
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION  
; FILE REFERENCE: PA-0029 US  
; CURRENT APPLICATION NUMBER: US/09/971,392  
; CURRENT FILING DATE: 2001-10-03  
; PRIOR APPLICATION NUMBER: 60/237,652  
; PRIOR FILING DATE: 2000-10-03  
; NUMBER OF SEQ ID NOS: 260  
; SOFTWARE: PERL Program  
; SEQ ID NO 102  
; LENGTH: 1935  
; TYPE: DNA  
; ORGANISM: Homo sapiens

; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Template ID: 977615.8  
US-09-971-392-102

Alignment Scores:  
Pred. No.: 0.000193 Length: 1935  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-971-392-102 (1-1935)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 534 TACTCACTGCCCAAGAGCGAATTCGTTGCGCTGACCTGGAGCTGCCC 581

RESULT 4

US-09-822-849A-53  
; Sequence 53, Application US/09822849A  
; Patent No. US20020045170A1  
; GENERAL INFORMATION:  
; APPLICANT: Wong, Gordon G.  
; APPLICANT: Clark, Hilary  
; APPLICANT: Fechtel, Kim  
; APPLICANT: Agostino, Michael J.  
; APPLICANT: Howes, Steven H.  
; APPLICANT: Resnick, Richard J.  
; APPLICANT: Gulukota, Kamalakara  
; APPLICANT: Graham, James R.  
; APPLICANT: Genetics Institute, Inc.  
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS  
; FILE REFERENCE: GIN 6403  
; CURRENT APPLICATION NUMBER: US/09/822,849A  
; CURRENT FILING DATE: 2001-09-04  
; PRIOR APPLICATION NUMBER: 60/195,582  
; PRIOR FILING DATE: 2000-04-06  
; NUMBER OF SEQ ID NOS: 598  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 53  
; LENGTH: 2384  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-822-849A-53

Alignment Scores:  
Pred. No.: 0.000245 Length: 2384  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-822-849A-53 (1-2384)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 445 TACTCACTGCCCAAGAGCGAATTCGTTGCGCTGACCTGGAGCTGCCC 492

RESULT 5

US-09-954-531-380  
; Sequence 380, Application US/09954531  
; Patent No. US20020165180A1  
; GENERAL INFORMATION:  
; APPLICANT: Weaver, Zoe  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
; TITLE OF INVENTION: Gene Sets  
; FILE REFERENCE: 689290-77  
; CURRENT APPLICATION NUMBER: US/09/954,531  
; CURRENT FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: US/60/233,133

```
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 380
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-380
```

```
Alignment Scores:
Pred. No.: 0.000251 Length: 2436
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-72 (1-16) x US-09-954-531-380 (1-2436)

```
Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||||
Db 491 TACTCACTGCCCAAGAGCGAATTCGTTGTGCTGACCTGGAGCTGCC 538
```

RESULT 6

```
US-09-525-978B-81
; Sequence 81, Application US/09525978B
; Publication No. US20030049722A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Murray, Richard
; APPLICANT: Caras, Ingrid W.
; APPLICANT: Hevezi, Peter
; APPLICANT: Wilson, Keith
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSING MACROPHAGE DEVELOPMENT
; TITLE OF INVENTION: RELATED DISORDERS, COMPOSITIONS, AND METHODS OF
; TITLE OF INVENTION: SCREENING FOR MACROPHAGE DEVELOPMENT MODULATORS
; FILE REFERENCE: A-67413-1/DJB/JJD
; CURRENT APPLICATION NUMBER: US/09/525,978B
; CURRENT FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: USSN 60/124,530
; PRIOR FILING DATE: 1999-03-15
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-525-978B-81
```

```
Alignment Scores:
Pred. No.: 0.000251 Length: 2436
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 3 Gaps: 0
```

US-10-030-937-72 (1-16) x US-09-525-978B-81 (1-2436)

```
Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||||
Db 491 TACTCACTGCCCAAGAGCGAATTCGTTGTGCTGACCTGGAGCTGCC 538
```

RESULT 7

```
US-10-843-641A-1447
; Sequence 1447, Application US/10843641A
```

```
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1447
; LENGTH: 2436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-1447
```

```
Alignment Scores:
Pred. No.: 0.000251 Length: 2436
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 9 Gaps: 0
```

US-10-030-937-72 (1-16) x US-10-843-641A-1447 (1-2436)

```
Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
|||||
Db 491 TACTCACTGCCCAAGAGCGAATTCGTTGTGCTGACCTGGAGCTGCC 538
```

RESULT 8

```
US-10-450-763-711
; Sequence 711, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 711
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: Homo sapiens
```



;  
; FEATURE:  
; NAME/KEY: SIMILAR  
; LOCATION: (93)..(671)  
; OTHER INFORMATION: 100% homologous to Homo sapiens G-M2 activator  
; OTHER INFORMATION: protein,accession number M76477,Smith-Waterman Score=1017.  
US-10-450-763-711

Alignment Scores:  
Pred. No.: 0.000255 Length: 2471  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-450-763-711 (1-2471)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
|||||  
Db 525 TACTCACTGCCCAAGAGCGAATTGTTGTGCCTGACCTGGAGCTGCC 572

RESULT 9

US-10-170-385-390  
; Sequence 390, Application US/10170385  
; Publication No. US20030203372A1

; GENERAL INFORMATION:

; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert

; APPLICANT: Kan, On

; APPLICANT: Harris, Robert Alan

; APPLICANT: White, Jonathan

; APPLICANT: Binley, Katie Mary

; APPLICANT: Rayner, William Nigel

; APPLICANT: Naylor, Stuart

; APPLICANT: Kingsman, Susan Mary

; APPLICANT: Krige, David

; TITLE OF INVENTION: ANALYSIS METHOD

; FILE REFERENCE: 532682000100

; CURRENT APPLICATION NUMBER: US/10/170,385

; CURRENT FILING DATE: 2002-06-12

; PRIOR APPLICATION NUMBER: PCT/GB02/01662

; PRIOR FILING DATE: 2002-04-08

; PRIOR APPLICATION NUMBER: PCT/GB01/05458

; PRIOR FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 549

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 390

; LENGTH: 2478

; TYPE: DNA

; ORGANISM: Homo Sapiens

US-10-170-385-390

Alignment Scores:  
Pred. No.: 0.000256 Length: 2478  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-10-170-385-390 (1-2478)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
|||||  
Db 528 TACTCACTGCCCAAGAGCGAATTGTTGTGCCTGACCTGGAGCTGCC 575

RESULT 10

US-10-450-763-16917/c

; Sequence 16917, Application US/10450763

; Publication No. US20050196754A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 16917  
; LENGTH: 2498  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIMILAR  
; LOCATION: (2628)..(2714)  
; OTHER INFORMATION: 74% homologous to Homo sapiens Human secreted protein, SEQ ID  
; OTHER INFORMATION: NO: 6532,accession number G02451,Smith-Waterman Score=98.  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(2498)  
; OTHER INFORMATION: n = a,t,c or g  
US-10-450-763-16917

Alignment Scores:  
Pred. No.: 0.000259 Length: 2498  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1  
Query Match: 95.2% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-450-763-16917 (1-2498)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
|||||  
Db 2008 TACTCACTGCCCAAGAGCGAATTGTTGTGCCTGACCTGGAGCTGCC 1961

RESULT 11

US-10-723-860-5187

; Sequence 5187, Application US/10723860

; Publication No. US20040253606A1

; GENERAL INFORMATION:

; APPLICANT: Aziz, Natasha

; APPLICANT: Ginsburg, Wendy M.

; APPLICANT: Zlotnik, Albert

; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &

; FILE REFERENCE: 05882.0193.NPUS01

; CURRENT APPLICATION NUMBER: US/10/723,860

; CURRENT FILING DATE: 2003-11-26

; PRIOR APPLICATION NUMBER: 60/429,739

; PRIOR FILING DATE: 2002-11-26

; NUMBER OF SEQ ID NOS: 8393

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 5187

; LENGTH: 3988

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (2864)..(2894)

; OTHER INFORMATION: n is a, c, g, or t

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (3472)..(3486)

; OTHER INFORMATION: n is a, c, g, or t

US-10-723-860-5187

Alignment Scores:

Pred. No.: 0.000442 Length: 3988

```
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-72 (1-16) x US-10-723-860-5187 (1-3988)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 528 TACTCACTGCCCAAGAGCGAATTCGTTGTGCCTGACCTGGAGCTGCC 575

RESULT 12
US-10-225-810-26/c
; Sequence 26, Application US/10225810
; Publication No. US20030157512A1
; GENERAL INFORMATION:
; APPLICANT: Birmingham, Jr., John R.
; TITLE OF INVENTION: Tramdorins and Methods of Using Tramdorin
; FILE REFERENCE: McLaugh-07165
; CURRENT APPLICATION NUMBER: US/10/225,810
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 250000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (33774)..(33774)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (42953)..(43052)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (45557)..(45656)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (48203)..(48302)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (49551)..(49650)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51561)..(51660)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (52722)..(52821)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (53864)..(53963)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (55290)..(55389)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (56674)..(56773)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (57879)..(57978)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
```

```
; NAME/KEY: misc feature
; LOCATION: (78952)..(79051)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (85316)..(85415)
; OTHER INFORMATION: n is a, c, g, or t
US-10-225-810-26

Alignment Scores:
Pred. No.: 0.051 Length: 250000
Score: 79.00 Matches: 15
Percent Similarity: 93.8% Conservative: 0
Best Local Similarity: 93.8% Mismatches: 1
Query Match: 95.2% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-10-225-810-26 (1-250000)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 249623 TACTCACTGCCCAAGAGCGAATTCGTTGTGCCTGACCTGGAGCTGCC 249576

RESULT 13
US-10-388-934-167
; Sequence 167, Application US/10388934
; Publication No. US20040005547A1
; GENERAL INFORMATION:
; APPLICANT: Boess, Franziska
; APPLICANT: Suter-Dick, Laura
; APPLICANT: Wolf, Detlef
; TITLE OF INVENTION: BIOMARKERS AND EXPRESSION PROFILES FOR TOXICOLOGY
; FILE REFERENCE: 21199
; CURRENT APPLICATION NUMBER: US/10/388,934
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 02005336.9
; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 02015657.6
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 862
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 1983
; TYPE: DNA
; ORGANISM: Rattus sp.
US-10-388-934-167

Alignment Scores:
Pred. No.: 0.0153 Length: 1983
Score: 69.00 Matches: 13
Percent Similarity: 81.2% Conservative: 0
Best Local Similarity: 81.2% Mismatches: 3
Query Match: 83.1% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-10-388-934-167 (1-1983)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 462 TACTCACTGCCTTCGAGCAACTTCACAGTGCCTGATCTGGAGCTTCCA 509

RESULT 14
US-10-972-079-7219
; Sequence 7219, Application US/10972079
; Publication No. US20050153317A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DeNISE, Sue K.
; APPLICANT: ROSENFELD, David
; APPLICANT: KERR, Richard
; APPLICANT: BATES, Stephen
; APPLICANT: HOLM, Tom
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF
```

; TITLE OF INVENTION: LIVESTOCK  
; FILE REFERENCE: MM1110-2  
; CURRENT APPLICATION NUMBER: US/10/972,079  
; CURRENT FILING DATE: 2004-10-22  
; PRIOR APPLICATION NUMBER: US 60/514,333  
; PRIOR FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 96631  
; SOFTWARE: PatentIN version 3.1  
; SEQ ID NO 7219  
; LENGTH: 596  
; TYPE: DNA  
; ORGANISM: Chicken 19866894191999\_2  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(32)  
; OTHER INFORMATION: n is any nucleotide  
US-10-972-079-7219

Alignment Scores:  
Pred. No.: 0.00595 Length: 596  
Score: 68.00 Matches: 12  
Percent Similarity: 93.8% Conservative: 3  
Best Local Similarity: 75.0% Mismatches: 1  
Query Match: 81.9% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-972-079-7219 (1-596)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 353 TACTCACTGCCCCGACGACTTCGCCCTGCCCGACGTCGAGCTGCCC 400

RESULT 15  
US-10-972-079-7218  
; Sequence 7218, Application US/10972079  
; Publication No. US20050153317A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: ROSENFELD, David  
; APPLICANT: KERR, Richard  
; APPLICANT: BATES, Stephen  
; APPLICANT: HOLM, Tom  
; TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEER  
; TITLE OF INVENTION: LIVESTOCK  
; FILE REFERENCE: MM1110-2  
; CURRENT APPLICATION NUMBER: US/10/972,079  
; CURRENT FILING DATE: 2004-10-22  
; PRIOR APPLICATION NUMBER: US 60/514,333  
; PRIOR FILING DATE: 2003-10-24  
; NUMBER OF SEQ ID NOS: 96631  
; SOFTWARE: PatentIN version 3.1  
; SEQ ID NO 7218  
; LENGTH: 599  
; TYPE: DNA  
; ORGANISM: Chicken 19866894191999\_1  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(114)  
; OTHER INFORMATION: n is any nucleotide  
US-10-972-079-7218

Alignment Scores:  
Pred. No.: 0.00598 Length: 599  
Score: 68.00 Matches: 12  
Percent Similarity: 93.8% Conservative: 3  
Best Local Similarity: 75.0% Mismatches: 1  
Query Match: 81.9% Indels: 0  
DB: 9 Gaps: 0

US-10-030-937-72 (1-16) x US-10-972-079-7218 (1-599)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16

Db 435 TACTCACTGCCCCGACGACTTCGCCCTGCCCGACGTCGAGCTGCCC 482

Search completed: February 16, 2006, 13:51:59  
Job time : 140.204 secs

GenCore version 5.1.7  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 13:19:45 ; Search time 234.951 Seconds  
(without alignments)  
144.557 Million cell updates/sec

Title: US-10-030-937-72  
Perfect score: 83  
Sequence: 1 YSLPKSEFAVPDLPLP 16

Scoring table: BLOSUM62  
Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 7204252 seqs, 1061369211 residues

Total number of hits satisfying chosen parameters: 14408504

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0  
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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA New:

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9: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*  
10: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq2:\*  
11: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq3:\*  
12: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq4:\*  
13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	79	95.2	2471	8 US-10-821-234-310	Sequence 310, App
2	49	59.0	100000	12 US-11-124-368A-2913	Sequence 2913, App
C 3	48	57.8	535	12 US-11-000-688-930	Sequence 930, App
C 4	48	57.8	578	6 US-09-925-065A-849890	Sequence 849890,

5	48	57.8	581	6	US-09-925-065A-851142	Sequence 851142,
C 6	47	56.6	4048	12	US-11-024-959-132	Sequence 132, App
C 7	46	55.4	546	6	US-09-925-065A-445784	Sequence 445784,
C 8	46	55.4	546	6	US-09-925-065A-445785	Sequence 445785,
C 9	46	55.4	1062	12	US-11-143-401-61	Sequence 61, Appl
C 10	46	55.4	1065	12	US-11-052-554A-540	Sequence 540, App
11	45	54.2	420	6	US-09-925-065A-839566	Sequence 839566,
12	45	54.2	557	6	US-09-925-065A-162282	Sequence 162282,
13	45	54.2	601	6	US-09-925-065A-281834	Sequence 281834,
14	45	54.2	1129	6	US-09-925-065A-281833	Sequence 281833,
15	45	54.2	1793	10	US-11-112-944-12	Sequence 12, Appl
16	45	54.2	2015	12	US-11-080-991-43	Sequence 43, Appl
17	44	53.0	201	12	US-11-124-368A-18169	Sequence 18169, A
18	44	53.0	474	6	US-09-925-065A-268769	Sequence 268769,
C 19	44	53.0	515	6	US-09-925-065A-169200	Sequence 169200,
C 20	44	53.0	524	6	US-09-925-065A-627473	Sequence 627473,
C 21	44	53.0	644	6	US-09-925-065A-757094	Sequence 757094,
22	44	53.0	649	6	US-09-925-065A-740530	Sequence 740530,
C 23	44	53.0	1509	8	US-10-750-185-29900	Sequence 29900, A
C 24	44	53.0	1509	8	US-10-750-623-29900	Sequence 29900, A
25	44	53.0	2469	8	US-10-750-185-38519	Sequence 38519, A
26	44	53.0	2469	8	US-10-750-623-38519	Sequence 38519, A
27	44	53.0	3097	8	US-10-750-185-32217	Sequence 32217, A
28	44	53.0	3097	8	US-10-750-623-32217	Sequence 32217, A
C 29	44	53.0	8239	12	US-11-136-527-3426	Sequence 3426, Ap
C 30	44	53.0	1691140	12	US-11-091-018-1	Sequence 1, Appli
31	43	51.8	201	8	US-10-995-561-82094	Sequence 82094, A
C 32	43	51.8	614	6	US-09-925-065A-140730	Sequence 140730,
C 33	43	51.8	643	6	US-09-925-065A-743875	Sequence 743875,
C 34	43	51.8	785	6	US-09-925-065A-922192	Sequence 922192,
C 35	43	51.8	845	6	US-09-925-065A-717578	Sequence 717578,
C 36	43	51.8	1253	8	US-10-750-185-33356	Sequence 33356, A
C 37	43	51.8	1253	8	US-10-750-623-33356	Sequence 33356, A
C 38	43	51.8	4248	8	US-10-750-185-30707	Sequence 30707, A
C 39	43	51.8	4248	8	US-10-750-623-30707	Sequence 30707, A
C 40	43	51.8	5085	12	US-11-052-554A-467	Sequence 467, App
41	43	51.8	195235	8	US-10-995-561-13495	Sequence 13495, A
42	42.5	51.2	650	12	US-11-128-061-3223	Sequence 3223, Ap
43	42.5	51.2	650	12	US-11-128-049-3223	Sequence 3223, Ap
C 44	42.5	51.2	212716	12	US-11-121-086-95	Sequence 95, Appl
45	42	50.6	531	6	US-09-925-065A-353032	Sequence 353032,

ALIGNMENTS

RESULT 1  
US-10-821-234-310  
; Sequence 310, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; PRIOR FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_seq\_genes Version 1.0  
; SEQ ID NO 310  
; LENGTH: 2471  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-821-234-310

Alignment Scores:  
Pred. No.: 0.000548 Length: 2471  
Score: 79.00 Matches: 15  
Percent Similarity: 93.8% Conservative: 0  
Best Local Similarity: 93.8% Mismatches: 1

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Query Match: 95.2% Indels: 0
DB: 8 Gaps: 0

US-10-030-937-72 (1-16) x US-10-821-234-310 (1-2471)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
   |||||
Db 528 TACTCACTGCCCAAGAGCGAATTGTTGTGCTGACCTGGAGCTGCC 575

RESULT 2
US-11-124-368A-2913
; Sequence 2913, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2913
; LENGTH: 100000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-2913

Alignment Scores:
Pred. No.: 1.38e+04 Length: 100000
Score: 49.00 Matches: 8
Percent Similarity: 84.6% Conservative: 3
Best Local Similarity: 61.5% Mismatches: 2
Query Match: 59.0% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-72 (1-16) x US-11-124-368A-2913 (1-100000)

Qy 4 ProLysSerGluPheAlaValProAspLeuGluLeuPro 16
   |||||
Db 25287 CCCAGAAGTGATCTGCTTGCTCCAGACATGGAACTGCCT 25325

RESULT 3
US-11-000-688-930/c
; Sequence 930, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 930
; LENGTH: 535
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; NAME/KEY: misc feature
; LOCATION: (1)..(535)
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; OTHER INFORMATION: 5' terminal sequence from clone
; OTHER INFORMATION: image:364687.cd5 antigen (p56-62) (CD5) gene.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (138)..(138)
; OTHER INFORMATION: n is a, c, g, or t
US-11-000-688-930

Alignment Scores:
Pred. No.: 41.3 Length: 535
Score: 48.00 Matches: 9
Percent Similarity: 75.0% Conservative: 3
Best Local Similarity: 56.2% Mismatches: 4
Query Match: 57.8% Indels: 0
DB: 12 Gaps: 0

US-10-030-937-72 (1-16) x US-11-000-688-930 (1-535)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
   :::::|||||
Db 518 TTTCGCCTCCCTAAGAGCAGCTTCTCAGTTCCTTTTGAGGAGCCCC 471

RESULT 4
US-09-925-065A-849890/c
; Sequence 849890, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 849890
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-849890

Alignment Scores:
Pred. No.: 45.2 Length: 578
Score: 48.00 Matches: 9
Percent Similarity: 71.4% Conservative: 1
Best Local Similarity: 64.3% Mismatches: 4
Query Match: 57.8% Indels: 0
DB: 6 Gaps: 0

US-10-030-937-72 (1-16) x US-09-925-065A-849890 (1-578)

Qy 1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGlu 14
   |||||
Db 436 TATTCAAAGCCAAAGAAAGATTACTGTACCCCAATTGGAA 395

RESULT 5
US-09-925-065A-851142
; Sequence 851142, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
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; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 851142
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-851142

Alignment Scores:
Pred. No.:          45.5      Length:      581
Score:              48.00     Matches:      9
Percent Similarity: 71.4%     Conservative: 1
Best Local Similarity: 64.3%   Mismatches:   4
Query Match:        57.8%     Indels:       0
DB:                 6        Gaps:          0

US-10-030-937-72 (1-16) x US-09-925-065A-851142 (1-581)

Qy      1  TyrSerLeuProLysSerGluPheAlaValProAspLeuGlu 14
Db      144 TATTCAAAGCCAAAGAAAGATTACTGTACCCCAATTGGAA 185

RESULT 6
US-11-024-959-132/c
; Sequence 132, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 132
; LENGTH: 4048
; TYPE: DNA
; ORGANISM: Pinus radiata
US-11-024-959-132

Alignment Scores:
Pred. No.:          702      Length:      4048
Score:              47.00     Matches:      8
Percent Similarity: 78.6%     Conservative: 3
Best Local Similarity: 57.1%   Mismatches:   3
Query Match:        56.6%     Indels:       0
DB:                 12      Gaps:          0

US-10-030-937-72 (1-16) x US-11-024-959-132 (1-4048)

Qy      3  LeuProLysSerGluPheAlaValProAspLeuGluPro 16
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Db      2302 GTCCCGAGCAGTGAATTCCTGCCCCCTGACGATGAGATACCA 2261

RESULT 7
US-09-925-065A-445784/c
; Sequence 445784, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 445784
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-445784

Alignment Scores:
Pred. No.:          98.1      Length:      546
Score:              46.00     Matches:      9
Percent Similarity: 64.3%     Conservative: 0
Best Local Similarity: 64.3%   Mismatches:   5
Query Match:        55.4%     Indels:       0
DB:                 6        Gaps:          0

US-10-030-937-72 (1-16) x US-09-925-065A-445784 (1-546)

Qy      3  LeuProLysSerGluPheAlaValProAspLeuGluPro 16
Db      282 CTACCCCAAAAGAAATTTGTTGTTCTCTCTGAGCTCCCA 241

RESULT 8
US-09-925-065A-445785/c
; Sequence 445785, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 445785
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-925-065A-445785
Alignment Scores:
Pred. No.:      98.1      Length:      546
Score:          46.00     Matches:      9
Percent Similarity: 64.3%  Conservative: 0
Best Local Similarity: 64.3% Mismatches: 5
Query Match:    55.4%     Indels:      0
DB:             6        Gaps:        0

US-10-030-937-72 (1-16) x US-09-925-065A-445785 (1-546)
Qy      3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      282 CTACCCACAAAGAAATTGTTGTTCTCCTCTCGAGCTCCCA 241

RESULT 9
US-11-143-401-61/c
; Sequence 61, Application US/11143401
; Publication No. US2006002953A1
; GENERAL INFORMATION:
; APPLICANT: Behr, Marcel
; APPLICANT: Small, Peter
; APPLICANT: Schoolnik, Gary
; APPLICANT: Wilson, Michael A.
; TITLE OF INVENTION: Molecular Differences Between Species of
; FILE REFERENCE: STAN102CON
; CURRENT APPLICATION NUMBER: US/11/143,401
; CURRENT FILING DATE: 2005-06-01
; PRIOR APPLICATION NUMBER: US/10/647,089
; PRIOR FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US/09/894,844
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/318,191
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/097,936
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 61
; LENGTH: 1062
; TYPE: DNA
; ORGANISM: Mycobacteria tuberculosis
US-11-143-401-61

Alignment Scores:
Pred. No.:      217      Length:      1062
Score:          46.00     Matches:      9
Percent Similarity: 78.6%  Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match:    55.4%     Indels:      0
DB:             12        Gaps:        0

US-10-030-937-72 (1-16) x US-11-143-401-61 (1-1062)
Qy      3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
      ||||| ||||| ||||| ::::| |||||
Db      839 TTGCCGAGCCCGAGTTCTGAATGCCCGAGTTGCCACTGCCA 798

RESULT 10
US-11-052-554A-540/c
; Sequence 540, Application US/11052554A
; Publication No. US2005028866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
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; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 763
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 540
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-540

Alignment Scores:
Pred. No.:      218      Length:      1065
Score:          46.00     Matches:      9
Percent Similarity: 78.6%  Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match:    55.4%     Indels:      0
DB:             12        Gaps:        0

US-10-030-937-72 (1-16) x US-11-052-554A-540 (1-1065)
Qy      3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
      ||||| ||||| ||||| ::::| |||||
Db      839 TTGCCGAGCCCGAGTTCTGAATGCCCGAGTTGCCACTGCCA 798

RESULT 11
US-09-925-065A-839566
; Sequence 839566, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 839566
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-839566

Alignment Scores:
Pred. No.:      109      Length:      420
Score:          45.00     Matches:      7
Percent Similarity: 75.0%  Conservative: 5
Best Local Similarity: 43.8% Mismatches: 4
Query Match:    54.2%     Indels:      0
DB:             6        Gaps:        0

US-10-030-937-72 (1-16) x US-09-925-065A-839566 (1-420)
Qy      1 TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
      ||::| ||::| ||::| ::::| ||::| ::::|
Db      314 TACAACCTACCAAGATCGAACGAYAAAATCCCAACCTGAACATACCG 361

RESULT 12
US-09-925-065A-162282
; Sequence 162282, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
```





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Percent Similarity: 73.3%      Conservative: 2
Best Local Similarity: 60.0%    Mismatches: 4
Query Match: 54.2%             Indels: 0
DB: 10                         Gaps: 0

US-10-030-937-72 (1-16) x US-11-112-944-12 (1-1793)

Qy      1  TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeu 15
      |||:::|||||  |||  |||:::|||||  |||  |||
Db      94  TAGGGCTCCCTCCCTCCCTTCTCTGTCCCCCGCCTCTCGCTC 138

Search completed: February 16, 2006, 14:27:01
Job time : 238.951 secs
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GenCore version 5.1.7  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 16, 2006, 12:57:39 ; Search time 20.9067 Seconds  
(without alignments)  
1360.379 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 83

Sequence: 1 YSLPKSEFAVPDLELP 16

Scoring table: BLOSUM62

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi  
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15  
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000  
-HOST=abss05p -USER=US10030937 @CGN 1 1 427 @runat 15022006 055700 6000  
-NCPU=6 -ICPU=3 -NO MMAP -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG  
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:\*

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2: /cgn2\_6/ptodata/1/ina/5 COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/H COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq:\*  
7: /cgn2\_6/ptodata/1/ina/PP COMB.seq:\*  
8: /cgn2\_6/ptodata/1/ina/RE COMB.seq:\*  
9: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
c 1	47	56.6	790	3	US-09-533-559-4552 Sequence 4552, Ap
2	47	56.6	8220	2	US-08-568-459A-11 Sequence 11, Appl
3	47	56.6	8220	3	US-08-487-826B-11 Sequence 11, Appl
4	47	56.6	8220	3	US-09-210-288-11 Sequence 11, Appl
5	47	56.6	8220	3	US-10-153-273-11 Sequence 11, Appl
6	47	56.6	9280	3	US-08-956-171B-131 Sequence 131, App
7	47	56.6	9280	3	US-08-781-986A-131 Sequence 131, App
8	47	56.6	19124	2	US-08-487-826B-13 Sequence 13, Appl
c 9	47	56.6	450395	3	US-09-949-016-15473 Sequence 15473, A

c 10	46	55.4	1062	3	US-09-894-844-61 Sequence 61, Appl
11	46	55.4	4403765	3	US-09-103-840A-2 Sequence 2, Appli
c 12	46	55.4	4403765	3	US-09-103-840A-2 Sequence 2, Appli
13	46	55.4	4411529	3	US-09-103-840A-1 Sequence 1, Appli
c 14	46	55.4	4411529	3	US-09-103-840A-1 Sequence 1, Appli
15	44	53.0	924	3	US-09-543-681A-69 Sequence 69, Appl
16	44	53.0	17154	3	US-09-949-016-16889 Sequence 16889, A
c 17	44	53.0	31407	3	US-09-949-016-17359 Sequence 17359, A
c 18	44	53.0	46343	3	US-09-949-016-16824 Sequence 16824, A
19	44	53.0	64291	3	US-09-949-016-16278 Sequence 16278, A
20	44	53.0	117410	3	US-09-949-016-12262 Sequence 12262, A
c 21	43	51.8	601	3	US-09-949-016-20153 Sequence 20153, A
c 22	43	51.8	601	3	US-09-949-016-119374 Sequence 119374, A
23	43	51.8	1416	3	US-08-911-853-3 Sequence 3, Appli
24	43	51.8	1416	3	US-09-479-409-3 Sequence 3, Appli
25	43	51.8	1416	3	US-09-479-453-3 Sequence 3, Appli
26	43	51.8	2439	3	US-09-489-039A-7111 Sequence 7111, Ap
27	43	51.8	4377	3	US-08-911-853-28 Sequence 28, Appl
28	43	51.8	4377	3	US-09-479-409-28 Sequence 28, Appl
29	43	51.8	4377	3	US-09-479-453-28 Sequence 28, Appl
30	43	51.8	6308	3	US-09-949-016-12496 Sequence 12496, A
31	43	51.8	7144	3	US-09-949-016-14392 Sequence 14392, A
c 32	43	51.8	10086	3	US-09-949-016-15056 Sequence 15056, A
c 33	43	51.8	35064	3	US-09-949-016-12778 Sequence 12778, A
c 34	43	51.8	35065	3	US-09-949-016-13196 Sequence 13196, A
c 35	43	51.8	112132	3	US-09-741-150-3 Sequence 3, Appli
c 36	43	51.8	112132	3	US-10-160-187-3 Sequence 3, Appli
37	43	51.8	1830121	3	US-09-557-884-1 Sequence 1, Appli
38	43	51.8	1830121	3	US-09-643-990A-1 Sequence 1, Appli
39	43	51.8	1830121	3	US-10-158-865-1 Sequence 1, Appli
40	42	50.6	354	3	US-09-513-999C-13536 Sequence 13536, A
c 41	42	50.6	601	3	US-09-949-016-87635 Sequence 87635, A
c 42	42	50.6	601	3	US-09-949-016-87636 Sequence 87636, A
c 43	42	50.6	601	3	US-09-949-016-87637 Sequence 87637, A
44	42	50.6	601	3	US-09-949-016-91953 Sequence 91953, A
45	42	50.6	601	3	US-09-949-016-91954 Sequence 91954, A

ALIGNMENTS

RESULT 1

US-09-533-559-4552/c  
; Sequence 4552, Application US/095333559  
; Patent No. 6902887  
; GENERAL INFORMATION:  
; APPLICANT: Randy M. Berka  
; APPLICANT: Michael W. Rey  
; APPLICANT: Jeffrey R.Shuster  
; APPLICANT: Sakari Kauppinen  
; APPLICANT: Ib Groth Clausen  
; APPLICANT: Peter Bjarke Olsen  
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene  
; TITLE OF INVENTION: Expression  
; FILE REFERENCE: 5849.200-US  
; CURRENT APPLICATION NUMBER: US/09/533,559  
; CURRENT FILING DATE: 2000-03-22  
; EARLIER APPLICATION NUMBER: 09/273,623  
; EARLIER FILING DATE: 1999-03-22  
; NUMBER OF SEQ ID NOS: 7860  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 4552  
; LENGTH: 790  
; TYPE: DNA  
; ORGANISM: Aspergillus oryzae  
US-09-533-559-4552

Alignment Scores:  
Pred. No.: 12.4 Length: 790  
Score: 47.00 Matches: 8  
Percent Similarity: 91.7% Conservative: 3  
Best Local Similarity: 66.7% Mismatches: 1  
Query Match: 56.6% Indels: 0  
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-09-533-559-4552 (1-790)  
Qy 3 LeuProLysSerGluPheAlaValProAspLeuGlu 14  
Db 56 GTTCCCAAAACGGAATTCCTTGTCGCCGATTGGAT 21

RESULT 2

US-08-568-459A-11  
; Sequence 11, Application US/08568459A  
; Patent No. 5849306  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe Martens Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: US  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/568,459A  
; FILING DATE: 07-DEC-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israel, Ned  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH121.001CP1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8220 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Plasmodium falciparum

US-08-568-459A-11  
Alignment Scores:  
Pred. No.: 236 Length: 8220  
Score: 47.00 Matches: 9  
Percent Similarity: 78.6% Conservative: 2  
Best Local Similarity: 64.3% Mismatches: 3  
Query Match: 56.6% Indels: 0  
DB: 2 Gaps: 0

US-10-030-937-72 (1-16) x US-08-568-459A-11 (1-8220)  
Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 6341 CTTCCAAAAACGATGGAAGTGTTCGGATTAGAAAGCCG 6382

RESULT 3

US-08-487-826B-11  
; Sequence 11, Application US/08487826B

; Patent No. 5993827  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Knobbe Martens Olson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: California  
; COUNTRY: US  
; ZIP: 92660  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/487,826B  
; FILING DATE: 10-SEP-1993  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Israel, Ned  
; REGISTRATION NUMBER: 29,655  
; REFERENCE/DOCKET NUMBER: NIH121.001CP1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 235-8550  
; TELEFAX: (619) 235-0176  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 8220 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Plasmodium falciparum

US-08-487-826B-11  
Alignment Scores:  
Pred. No.: 236 Length: 8220  
Score: 47.00 Matches: 9  
Percent Similarity: 78.6% Conservative: 2  
Best Local Similarity: 64.3% Mismatches: 3  
Query Match: 56.6% Indels: 0  
DB: 2 Gaps: 0

US-10-030-937-72 (1-16) x US-08-487-826B-11 (1-8220)  
Qy 3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16  
Db 6341 CTTCCAAAAACGATGGAAGTGTTCGGATTAGAAAGCCG 6382

RESULT 4

US-09-210-288-11  
; Sequence 11, Application US/09210288  
; Patent No. 6392026  
; GENERAL INFORMATION:  
; APPLICANT: Sim, Kim L.  
; APPLICANT: Chitnis, Chetan  
; APPLICANT: Miller, Louis H.  
; APPLICANT: Peterson, David S.  
; APPLICANT: Su, Xin-zhaun  
; APPLICANT: Wellem, Thomas E.  
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX  
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS



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;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 131:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-08-956-171E-131

Alignment Scores:
Pred. No.: 274 Length: 9280
Score: 47.00 Matches: 8
Percent Similarity: 86.7% Conservative: 5
Best Local Similarity: 53.3% Mismatches: 2
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-08-956-171E-131 (1-9280)

Qy 2 SerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6399 ACGCTTCGAAATCAAAGTTTGCTTTACCACCAATATTCATACCA 6443

RESULT 7
US-08-781-986A-131
; Sequence 131, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248pp
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 131:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9280 base pairs
; TYPE: nucleic acid
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;
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-131

Alignment Scores:
Pred. No.: 274 Length: 9280
Score: 47.00 Matches: 8
Percent Similarity: 86.7% Conservative: 5
Best Local Similarity: 53.3% Mismatches: 2
Query Match: 56.6% Indels: 0
DB: 3 Gaps: 0

US-10-030-937-72 (1-16) x US-08-781-986A-131 (1-9280)

Qy 2 SerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db 6399 ACGCTTCGAAATCAAAGTTTGCTTTACCACCAATATTCATACCA 6443

RESULT 8
US-08-487-826B-13
; Sequence 13, Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,826B
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelsen, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19124 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-487-826B-13

Alignment Scores:
Pred. No.: 681 Length: 19124
Score: 47.00 Matches: 9
Percent Similarity: 78.6% Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match: 56.6% Indels: 0
DB: 2 Gaps: 0
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US-10-030-937-72 (1-16) x US-08-487-826B-13 (1-19124)
Qy      3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db      13661 CTTCCAAAAACGATGGAAGTCTCCGATTAGAAAAAGCCG 13702

RESULT 9
US-09-949-016-15473/c
; Sequence 15473, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15473
; LENGTH: 450395
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(450395)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15473

Alignment Scores:
Pred. No.:      3.58e+04      Length:      450395
Score:          47.00      Matches:      8
Percent Similarity: 84.6%      Conservative: 3
Best Local Similarity: 61.5%      Mismatches: 2
Query Match:      56.6%      Indels: 0
DB:              3      Gaps: 0

US-10-030-937-72 (1-16) x US-09-949-016-15473 (1-450395) -
Qy      1 TyrSerLeuProLysSerGluPheAlaValProAspLeu 13
Db      110299 TATAGCATGCCCAAACTGAGTTCCTGGTTCCCTCCCTC 110261

RESULT 10
US-09-894-844-61/c
; Sequence 61, Application US/09894844
; Patent No. 6686166
; GENERAL INFORMATION:
; APPLICANT: Behr, Marcel
; APPLICANT: Small, Peter
; APPLICANT: Schoolnik, Gary
; APPLICANT: Wilson, Michael A.
; TITLE OF INVENTION: Molecular Differences Between Species of
; TITLE OF INVENTION: the M. Tuberculosis Complex
; FILE REFERENCE: STAN102CON
; CURRENT APPLICATION NUMBER: US/09/894,844
; CURRENT FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: 09/318,191
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/097,936
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 61
; LENGTH: 1062
; TYPE: DNA
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; ORGANISM: Mycobacteria tuberculosis
US-09-894-844-61

Alignment Scores:
Pred. No.:      27.9      Length:      1062
Score:          46.00      Matches:      9
Percent Similarity: 78.6%      Conservative: 2
Best Local Similarity: 64.3%      Mismatches: 3
Query Match:      55.4%      Indels: 0
DB:              3      Gaps: 0

US-10-030-937-72 (1-16) x US-09-894-844-61 (1-1062)
Qy      3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db      839 TTGCCGAAGCCCGAGTTCTGAATGCCCGAGTGCCTGCTGCCA 798

RESULT 11
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Alignment Scores:
Pred. No.:      8.18e+05      Length:      4403765
Score:          46.00      Matches:      9
Percent Similarity: 78.6%      Conservative: 2
Best Local Similarity: 64.3%      Mismatches: 3
Query Match:      55.4%      Indels: 0
DB:              3      Gaps: 0

US-10-030-937-72 (1-16) x US-09-103-840A-2 (1-4403765)
Qy      3 LeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db      2632604 TTGCCGAAGCCCGAGTTCTGAATGCCCGAGTGCCTGCTGCCA 2632645

RESULT 12
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2
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Alignment Scores:
Pred. No.:      8.18e+05      Length:      4403765
Score:          46.00        Matches:      8
Percent Similarity: 68.8%    Conservative: 3
Best Local Similarity: 50.0% Mismatches: 5
Query Match:     55.4%      Indels:      0
DB:              3          Gaps:         0

US-10-030-937-72 (1-16) x US-09-103-840A-2 (1-4403765)

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RESULT 13
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; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
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Alignment Scores:
Pred. No.:      8.2e+05      Length:      4411529
Score:          46.00        Matches:      9
Percent Similarity: 78.6%    Conservative: 2
Best Local Similarity: 64.3% Mismatches: 3
Query Match:     55.4%      Indels:      0
DB:              3          Gaps:         0
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Db      2634752 TTGCCGAAGCCCGAGTCTCTGAATGCCCGAGTTGCCACTGCCA 2634793
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RESULT 14
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
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; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Alignment Scores:
Pred. No.:      8.2e+05      Length:      4411529
Score:          46.00        Matches:      8
Percent Similarity: 68.8%    Conservative: 3
Best Local Similarity: 50.0% Mismatches: 5
Query Match:     55.4%      Indels:      0
DB:              3          Gaps:         0
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US-10-030-937-72 (1-16) x US-09-103-840A-1 (1-4411529)

Qy      1  TyrSerLeuProLysSerGluPheAlaValProAspLeuGluLeuPro 16
Db      299129 TACAGCGCACCGAAGCCGAGGCGGCCACCCGAGACCATCCCG 299082
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RESULT 15
US-09-543-681A-69
; Sequence 69, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 69
; LENGTH: 924
; TYPE: DNA
; ORGANISM: Proteus mirabilis
US-09-543-681A-69
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Alignment Scores:
Pred. No.:      56.3         Length:      924
Score:          44.00        Matches:      7
Percent Similarity: 78.6%    Conservative: 4
Best Local Similarity: 50.0% Mismatches: 3
Query Match:     53.0%      Indels:      0
DB:              3          Gaps:         0
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US-10-030-937-72 (1-16) x US-09-543-681A-69 (1-924)

Qy      1  TyrSerLeuProLysSerGluPheAlaValProAspLeuGlu 14
Db      658 TACAGTTTACCTCAACCAATTTACTGATCCTGATATTCAA 699
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Search completed: February 16, 2006, 14:13:59  
Job time : 774.907 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:05 ; Search time 20.0533 Seconds  
(without alignments)  
333.374 Million cell updates/sec

Title: US-10-030-937-72  
Perfect score: 16  
Sequence: 1 YSLPKSEFAVPDLPLP 16

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

Word size : 0  
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Minimum DB seq length: 0  
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Post-processing: Listing first 150 summaries

Database : Published Applications\_AA\_Main:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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2	8	50.0	193	5	US-10-723-860-529
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4	7	43.8	54	4	US-10-425-115-220040
5	6	37.5	39	3	US-09-833-245-1222
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7	6	37.5	51	4	US-10-437-963-105909
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48	6	37.5	346	6	US-11-097-143-42387
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60	6	37.5	493	4	US-10-437-963-197508
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63	6	37.5	535	4	US-10-282-122A-72951
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66	6	37.5	611	6	US-11-097-143-8622
67	6	37.5	643	4	US-10-437-963-155480
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93	6	37.5	2440	5	US-10-745-237-222
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96	6	37.5	3418	4	US-10-408-765A-178
97	6	37.5	3423	5	US-10-450-763-53776
98	5	31.2	9	5	US-10-930-300-156
99	5	31.2	10	3	US-09-572-270A-108
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118 5 31.2 26 3 US-09-864-761-37037  
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149 5 31.2 58 3 US-09-864-761-35928  
150 5 31.2 58 4 US-10-424-599-169721

ALIGNMENTS

RESULT 1  
US-10-170-385-389  
; Sequence 389, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 532682000100  
; CURRENT APPLICATION NUMBER: US/10/170,385

; Sequence 42754, A  
Sequence 97, Appl  
Sequence 34785, A  
Sequence 10, Appl  
Sequence 11, Appl  
Sequence 10, Appl  
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Sequence 11, Appl  
Sequence 411, App  
Sequence 446, App  
Sequence 12, Appl  
Sequence 12, Appl  
Sequence 40, Appl  
Sequence 40, Appl  
Sequence 12, Appl  
Sequence 40, Appl  
Sequence 37037, A  
Sequence 14, Appl  
Sequence 18, Appl  
Sequence 22, Appl  
Sequence 36728, A  
Sequence 5764, Ap  
Sequence 205712,  
Sequence 928, App  
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Sequence 120532,  
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Sequence 278375,  
Sequence 339649,  
Sequence 51, Appl  
Sequence 574, App  
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Sequence 417, App  
Sequence 452, App  
Sequence 149519,  
Sequence 52431, A  
Sequence 31, Appl  
Sequence 232726,  
Sequence 2293, Ap  
Sequence 271876,  
Sequence 189727,  
Sequence 2124, Ap  
Sequence 23342,  
Sequence 35928, A  
Sequence 169721,

Query Match 50.0%; Score 8; DB 4; Length 193;  
Best Local Similarity 100.0%; Pred.No. 1.5;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 145 YSLPKSEF 152

RESULT 2

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; Sequence 529, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &  
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators  
; FILE REFERENCE: 05882.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR APPLICATION NUMBER: 60/429,739  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 529  
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; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-723-860-529

Query Match 50.0%; Score 8; DB 5; Length 193;  
Best Local Similarity 100.0%; Pred.No. 1.5;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YSLPKSEF 8  
Db 145 YSLPKSEF 152

RESULT 3

US-10-450-763-31079  
; Sequence 31079, Application US/10450763  
; Publication No. US20050196754A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 790CIP3/US  
; CURRENT APPLICATION NUMBER: US/10/450,763  
; CURRENT FILING DATE: 2003-06-11  
; PRIOR APPLICATION NUMBER: PCT/US01/08631  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: 09/540,217  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/649,167  
; PRIOR FILING DATE: 2000-08-23  
; NUMBER OF SEQ ID NOS: 60736  
; SOFTWARE: Custom  
; SEQ ID NO 31079

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; LENGTH: 193
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; ORGANISM: Homo sapiens
US-10-450-763-31079

Query Match          50.0%; Score 8; DB 5; Length 193;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSLPKSEF 8
Db 145 YSLPKSEF 152

RESULT 4
US-10-425-115-220040
; Sequence 220040, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 220040
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(54)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_132263C.1.pep
US-10-425-115-220040

Query Match          43.8%; Score 7; DB 4; Length 54;
Best Local Similarity 100.0%; Pred. No. 5.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 AVPDLEL 15
Db 10 AVPDLEL 16

RESULT 5
US-09-833-245-1222
; Sequence 1222, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1222
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1222
```

```
Query Match          37.5%; Score 6; DB 3; Length 39;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15
Db 4 VPDLEL 9

RESULT 6
US-09-833-245-1224
; Sequence 1224, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1224
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-1224

Query Match          37.5%; Score 6; DB 3; Length 39;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15
Db 4 VPDLEL 9

RESULT 7
US-10-437-963-105909
; Sequence 105909, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 105909
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_10402C.1.pep
US-10-437-963-105909

Query Match          37.5%; Score 6; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 YSLPKS 6  
Db 10 YSLPKS 15

RESULT 8  
US-10-425-115-252984  
; Sequence 252984, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 252984  
; LENGTH: 71  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_162304C.1.pep  
US-10-425-115-252984

Query Match 37.5%; Score 6; DB 4; Length 71;  
Best Local Similarity 100.0%; Pred. No. 77;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15  
Db 14 VPDLEL 19

RESULT 9  
US-10-437-963-188997  
; Sequence 188997, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 188997  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_85548C.1.pep  
US-10-437-963-188997

Query Match 37.5%; Score 6; DB 4; Length 86;  
Best Local Similarity 100.0%; Pred. No. 91;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 FAVPDL 13  
Db 45 FAVPDL 50

RESULT 10  
US-10-424-599-247004  
; Sequence 247004, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 247004  
; LENGTH: 92  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_65074C.1.pep  
US-10-424-599-247004

Query Match 37.5%; Score 6; DB 4; Length 92;  
Best Local Similarity 100.0%; Pred. No. 97;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16  
Db 43 PDLELP 48

RESULT 11  
US-09-925-299-1494  
; Sequence 1494, Application US/09925299  
; Patent No. US20020055627A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA102  
; CURRENT APPLICATION NUMBER: US/09/925,299  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05883  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1556  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1494  
; LENGTH: 95  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (91)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (93)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (94)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (95)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-299-1494

Query Match 37.5%; Score 6; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 99;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16



```
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 358214
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(117)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_89859C.1.pep
US-10-425-115-358214

Query Match          37.5%; Score 6; DB 4; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLELP 16
         |||||
Db      18 PDLELP 23

RESULT 16
US-10-424-599-284187
; Sequence 284187, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 284187
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_98646C.1.pep
US-10-424-599-284187

Query Match          37.5%; Score 6; DB 4; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLELP 16
         |||||
Db      107 PDLELP 112

RESULT 17
US-10-437-963-190106
; Sequence 190106, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
```

```
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 190106
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_86551C.1.pep
US-10-437-963-190106

Query Match          37.5%; Score 6; DB 4; Length 127;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 FAVPDL 13
         |||||
Db     110 FAVPDL 115

RESULT 18
US-10-437-963-133889
; Sequence 133889, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 133889
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(129)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_35716C.1.pep
US-10-437-963-133889

Query Match          37.5%; Score 6; DB 4; Length 129;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy     10 VPDLEL 15
         |||||
Db     10 VPDLEL 15

RESULT 19
US-10-425-114-57104
; Sequence 57104, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
```



```
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 57104
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: uC-gmflminsoy044a10_FLI.pep
US-10-425-114-57104
```

```
Query Match          37.5%; Score 6; DB 4; Length 131;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      10 VPDLEL 15
        |||||
Db       91 VPDLEL 96
```

## RESULT 20

```
US-09-738-626-4847
; Sequence 4847, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENO, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 4847
; LENGTH: 151
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-4847
```

```
Query Match          37.5%; Score 6; DB 3; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      9 AVPDLE 14
        |||||
Db      23 AVPDLE 28
```

## RESULT 21

```
US-10-425-115-269204
; Sequence 269204, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
```

```
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 269204
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_177111C.1.pep
US-10-425-115-269204
```

```
Query Match          37.5%; Score 6; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 PDLELP 16
        |||||
Db       39 PDLELP 44
```

## RESULT 22

```
US-10-732-923-21187
; Sequence 21187, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 21187
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(158)
; OTHER INFORMATION: unsure at all xaa locations
US-10-732-923-21187
```

```
Query Match          37.5%; Score 6; DB 5; Length 158;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 PDLELP 16
        |||||
Db       40 PDLELP 45
```

## RESULT 23

```
US-10-425-114-64412
; Sequence 64412, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
```

```
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 64412
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3732-060-D3_FLI.pep
US-10-425-114-64412

Query Match          37.5%; Score 6; DB 4; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
        |||||
Db      106 VPDLEL 111

RESULT 24
US-10-168-066-6
; Sequence 6, Application US/10168066
; Publication No. US20030087268A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: YUE, Henry
; APPLICANT: BANDMAN, Olga
; APPLICANT: TANG, Y. Tom
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: BAUGHN, Mariah R.
; TITLE OF INVENTION: HUMAN LYASES AND ASSOCIATED PROTEINS
; FILE REFERENCE: PF 0759 PCT
; CURRENT APPLICATION NUMBER: US/10/168,066
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/172,307
; PRIOR FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030087268A1 2683534
US-10-168-066-6

Query Match          37.5%; Score 6; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
        |||||
Db      54 AVPDLE 59

RESULT 25
US-10-408-765A-1852
; Sequence 1852, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
```

```
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1852
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1852

Query Match          37.5%; Score 6; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
        |||||
Db      54 AVPDLE 59

RESULT 26
US-10-767-701-54502
; Sequence 54502, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 54502
; LENGTH: 202
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 14569822.pep
US-10-767-701-54502

Query Match          37.5%; Score 6; DB 4; Length 202;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
        |||||
Db      159 SLPKSE 164

RESULT 27
US-09-999-602-1
; Sequence 1, Application US/09999602
; Patent No. US20020091084A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti G.
; APPLICANT: Corley, Neil C.
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: HUMAN CALCIUM BINDING PROTEIN
; FILE REFERENCE: PF-0468-2 CON
; CURRENT APPLICATION NUMBER: US/09/999,602
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 09/010,378
; PRIOR FILING DATE: 1998-01-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020091084A1 134682
US-09-999-602-1
```

Query Match 37.5%; Score 6; DB 3; Length 214;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15  
|||||  
Db 50 VPDLEL 55

## RESULT 28

US-10-282-122A-69056  
; Sequence 69056, Application US/10282122A  
; Publication No. US20040029129A1

## GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 69056

; LENGTH: 214

; TYPE: PRT

; ORGANISM: Proteus mirabilis

US-10-282-122A-69056

Query Match 37.5%; Score 6; DB 4; Length 214;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 EFAVPD 12  
|||||  
Db 108 EFAVPD 113

## RESULT 29

US-10-301-822-217

; Sequence 217, Application US/10301822

; Publication No. US20030148410A1

; GENERAL INFORMATION:  
; APPLICANT: Millennium Pharmaceuticals, Inc.  
; APPLICANT: Berger, Allison  
; APPLICANT: Guillemette, Tracy L.  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Schlegel, Robert  
; APPLICANT: Monahan, John E.  
; APPLICANT: Thibodeau, Stephen N.  
; APPLICANT: Burgart, Lawrence J.  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF COLON CANCER  
; FILE REFERENCE: MPM01-029P2RNM  
; CURRENT APPLICATION NUMBER: US/10/301,822  
; CURRENT FILING DATE: 2002-11-21  
; PRIOR APPLICATION NUMBER: US 60/339,971  
; PRIOR FILING DATE: 2001-12-10  
; PRIOR APPLICATION NUMBER: US 60/361,978  
; PRIOR FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US 60/381,988  
; PRIOR FILING DATE: 2002-05-20  
; NUMBER OF SEQ ID NOS: 228  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 217  
; LENGTH: 216  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; US-10-301-822-217

Query Match 37.5%; Score 6; DB 4; Length 216;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLEL 15  
|||||  
Db 103 VPDLEL 108

## RESULT 30

US-10-425-114-50218

; Sequence 50218, Application US/10425114

; Publication No. US20040034888A1

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 50218

; LENGTH: 216

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: LIB143-021-D3\_FLI.pep

US-10-425-114-50218

Query Match 37.5%; Score 6; DB 4; Length 216;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16  
|||||  
Db 176 PDLELP 181

## RESULT 31

```
US-10-734-564-111
; Sequence 111, Application US/10734564
; Publication No. US20040157278A1
; GENERAL INFORMATION:
; APPLICANT: Christopher C Burgess et al
; TITLE OF INVENTION: Detection Methods Using TIMP1
; FILE REFERENCE: 1657/2012
; CURRENT APPLICATION NUMBER: US/10/734,564
; CURRENT FILING DATE: 2003-12-12
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-734-564-111

Query Match      37.5%; Score 6; DB 4; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      103 VPDLEL 108

RESULT 32
US-10-756-149-5690
; Sequence 5690, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5690
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5690

Query Match      37.5%; Score 6; DB 5; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      103 VPDLEL 108

RESULT 33
US-10-732-923-21147
; Sequence 21147, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 21147
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Oryza sativa (japonica cultivar-group)
US-10-732-923-21147
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Query Match      37.5%; Score 6; DB 5; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      10 VPDLEL 15

RESULT 34
US-10-732-923-21391
; Sequence 21391, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 21391
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-732-923-21391

Query Match      37.5%; Score 6; DB 5; Length 220;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      10 VPDLEL 15

RESULT 35
US-10-425-115-255964
; Sequence 255964, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 255964
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(227)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_16502C.1.pep
US-10-425-115-255964

Query Match      37.5%; Score 6; DB 4; Length 227;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLELP 16
      |||||
Db      164 PDLELP 169
```

RESULT 36  
US-10-425-114-69119  
; Sequence 69119, Application US/10425114  
; Publication No. US2004003488A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 69119  
; LENGTH: 249  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: UC-ZMFLB73107G10\_FLI.pep  
US-10-425-114-69119

Query Match 37.5%; Score 6; DB 4; Length 249;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLELP 16  
Db 176 PDLELP 181

RESULT 37  
US-10-301-822-220  
; Sequence 220, Application US/10301822  
; Publication No. US20030148410A1  
; GENERAL INFORMATION:  
; APPLICANT: Millennium Pharmaceuticals, Inc.  
; APPLICANT: Berger, Allison  
; APPLICANT: Guillemette, Tracy L.  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Schlegel, Robert  
; APPLICANT: Monahan, John E.  
; APPLICANT: Thibodeau, Stephen N.  
; APPLICANT: Burgart, Lawrence J.  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF COLON CANCER  
; FILE REFERENCE: MPM01-029P2RNM  
; CURRENT APPLICATION NUMBER: US/10/301,822  
; CURRENT FILING DATE: 2002-11-21  
; PRIOR APPLICATION NUMBER: US 60/339,971  
; PRIOR FILING DATE: 2001-12-10  
; PRIOR APPLICATION NUMBER: US 60/361,978  
; PRIOR FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US 60/381,988  
; PRIOR FILING DATE: 2002-05-20  
; NUMBER OF SEQ ID NOS: 228  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 220  
; LENGTH: 251  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-301-822-220

Query Match 37.5%; Score 6; DB 4; Length 251;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15

Db 103 VPDLEL 108  
RESULT 38  
US-10-457-372-11  
; GENERAL INFORMATION:  
; APPLICANT: UENO, EIICHI  
; APPLICANT: NOBUYUKI, FUJII  
; APPLICANT: OKADA, MASAHISA  
; TITLE OF INVENTION: FUSED DNA SEQUENCE, FUSED PROTEIN  
; EXPRESSED FROM SAID FUSED DNA SEQUENCE AND METHOD FOR  
; EXPRESSING SAID DNA SEQUENCE  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/457,372  
; FILING DATE: 10-Jun-2003  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/778,717  
; FILING DATE: 12-DEC-1996  
; APPLICATION NUMBER: JP 352225/1995  
; FILING DATE: 28-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 2084-031-0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; RELEVANT RESIDUES IN SEQ ID NO: 11: FROM 1 TO 255  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-457-372-11

Query Match 37.5%; Score 6; DB 4; Length 255;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 SEFAVP 11  
Db 77 SEFAVP 82

RESULT 39  
US-10-106-698-6128  
; Sequence 6128, Application US/10106698  
; Publication No. US20030109690A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide  
; FILE REFERENCE: PA005P1  
; CURRENT APPLICATION NUMBER: US/10/106,698  
; CURRENT FILING DATE: 2002-03-27  
; PRIOR APPLICATION NUMBER: PCT/US00/26524  
; PRIOR FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: US 60/157,137  
; PRIOR FILING DATE: 1999-09-29  
; PRIOR APPLICATION NUMBER: US 60/163,280  
; PRIOR FILING DATE: 1999-11-03  
; NUMBER OF SEQ ID NOS: 8564

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; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6128
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6128

Query Match      37.5%; Score 6; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      93 VPDLEL 98

RESULT 40
US-10-457-372-13
; GENERAL INFORMATION:
; APPLICANT: UENO, EIICHI
; NOBUYUKI, FUJII
; OKADA, MASAHIKA
; TITLE OF INVENTION: FUSED DNA SEQUENCE, FUSED PROTEIN
; EXPRESSED FROM SAID FUSED DNA SEQUENCE AND METHOD FOR
; EXPRESSING SAID DNA SEQUENCE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/457,372
; FILING DATE: 10-Jun-2003
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,717
; FILING DATE: 12-DEC-1996
; APPLICATION NUMBER: JP 352225/1995
; FILING DATE: 28-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 2084-031-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; RELEVANT RESIDUES IN SEQ ID NO: 13: FROM 1 TO 257
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:

US-10-457-372-13

Query Match      37.5%; Score 6; DB 4; Length 257;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 SEFAPV 11
      |||||
Db      77 SEFAPV 82

RESULT 41
US-10-301-822-215
; Sequence 215, Application US/10301822
; Publication No. US20030148410A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPW01-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 215
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-301-822-215

Query Match      37.5%; Score 6; DB 4; Length 267;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      103 VPDLEL 108

RESULT 42
US-11-097-143-33189
; Sequence 33189, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33189
; LENGTH: 278
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-33189
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Query Match 37.5%; Score 6; DB 6; Length 278;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 FAVPDL 13  
| | | | |  
Db 262 FAVPDL 267

RESULT 43  
US-10-617-320-4311  
; Sequence 4311, Application US/10617320  
; Publication No. US20050136404A1  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID  
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC  
; THERAPEUTICS  
; NUMBER OF SEQUENCES: 5206  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: <Unknown>  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: <Unknown>  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/617,320  
; FILING DATE: 10-Jul-2003  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,433  
; FILING DATE: 30-Jun-1998  
; APPLICATION NUMBER: 60/ 085131  
; FILING DATE: May 12, 1998  
; APPLICATION NUMBER: 60/051553  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-011  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 4311:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 284 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ORIGINAL SOURCE:  
; ORGANISM: Streptococcus pneumoniae  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (B) LOCATION 1...284  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4311:  
US-10-617-320-4311

Query Match 37.5%; Score 6; DB 5; Length 284;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFAV 10  
| | | | |  
Db 74 KSEFAV 79

RESULT 44  
US-10-425-114-37694  
; Sequence 37694, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 37694  
; LENGTH: 295  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 700238962\_FLI.pep  
US-10-425-114-37694

Query Match 37.5%; Score 6; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 2.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16  
| | | | |  
Db 176 PDLELP 181

RESULT 45  
US-10-282-122A-50380  
; Sequence 50380, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09



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; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50380
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Burkholderia mallei
US-10-282-122A-50380

Query Match      37.5%; Score 6; DB 4; Length 319;
Best Local Similarity 100.0%; Pred.No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 FAVPDL 13
      |||||
Db     139 FAVPDL 144

RESULT 46
US-10-670-454-6
; Sequence 6, Application US/10670454
; Publication No. US20040229357A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Stephen G
; APPLICANT: Hedden, Peter
; APPLICANT: Phillips, Andrew L
; TITLE OF INVENTION: Gibberellin 2-Oxidase
; FILE REFERENCE: 0623.0970000
; CURRENT APPLICATION NUMBER: US/10/670,454
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: US/09/719,108
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/GB99/01857
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: GB 9812821.8
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: GB 9815404.0
; PRIOR FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-670-454-6

Query Match      37.5%; Score 6; DB 5; Length 329;
Best Local Similarity 100.0%; Pred.No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
      |||||
Db     66 SLPKSE 71

RESULT 47
US-10-155-435-10
; Sequence 10, Application US/10155435
; Publication No. US20030226177A1
; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M.
; APPLICANT: Schomburg, Fritz M.
; APPLICANT: Michaels, Scott D.
; APPLICANT: Bizzell, Colleen M.
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants
; FILE REFERENCE: 960296.97605
; CURRENT APPLICATION NUMBER: US/10/155,435
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
```

```
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Arabidopsis
US-10-155-435-10

Query Match      37.5%; Score 6; DB 4; Length 330;
Best Local Similarity 100.0%; Pred.No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
      |||||
Db     66 SLPKSE 71

RESULT 48
US-11-097-143-42387
; Sequence 42387, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42387
; LENGTH: 346
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-42387

Query Match      37.5%; Score 6; DB 6; Length 346;
Best Local Similarity 100.0%; Pred.No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
      |||||
Db     134 AVPDLE 139

RESULT 49
US-10-424-599-162707
; Sequence 162707, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
```

```
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 162707
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_117943C.1.pep
US-10-424-599-162707

Query Match          37.5%; Score 6; DB 4; Length 347;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLEL 15
        |||||
Db       19 VPDLEL 24

RESULT 50
US-10-425-114-68412
; Sequence 68412, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68412
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3060-003-H10_FLI.pep
US-10-425-114-68412

Query Match          37.5%; Score 6; DB 4; Length 359;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
        |||||
Db      138 AVPDLE 143

RESULT 51
US-10-425-115-337225
; Sequence 337225, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 337225
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_25353C.1.pep
US-10-425-115-337225

NAME/KEY: unsure
; LOCATION: (1)..(367)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_70718C.1.pep
US-10-425-115-337225

Query Match          37.5%; Score 6; DB 4; Length 367;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
        |||||
Db      188 SLPKSE 193

RESULT 52
US-10-425-115-276049
; Sequence 276049, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 276049
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_183342C.1.pep
US-10-425-115-276049

Query Match          37.5%; Score 6; DB 4; Length 396;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLEL 15
        |||||
Db      57 VPDLEL 62

RESULT 53
US-10-425-115-287563
; Sequence 287563, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 287563
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_25353C.1.pep
US-10-425-115-287563

Query Match          37.5%; Score 6; DB 4; Length 413;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14  
|||||  
Db 117 AVPDLE 122

RESULT 54

US-10-374-780A-1522  
; Sequence 1522, Application US/10374780A  
; Publication No. US2004001927A1

GENERAL INFORMATION:

; APPLICANT: Sherman, Bradley K  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Heard, Jacqueline E  
; APPLICANT: Haake, Volker  
; APPLICANT: Creelman, Robert A  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Adam, Luc J  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddie, James  
; APPLICANT: Broun, Pierre E  
; APPLICANT: Pilgrim, Marsha L  
; APPLICANT: Dubell III, Arnold T  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Yu, Guo-Liang

TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS

; FILE REFERENCE: MBI-0047 CIP  
; CURRENT APPLICATION NUMBER: US/10/374,780A  
; CURRENT FILING DATE: 2003-02-25  
; PRIOR APPLICATION NUMBER: 09/837,944  
; PRIOR FILING DATE: 2001-04-18  
; PRIOR APPLICATION NUMBER: 60/310,847  
; PRIOR FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 09/934,455  
; PRIOR FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/336,049  
; PRIOR FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/338,692  
; PRIOR FILING DATE: 2001-12-11  
; PRIOR APPLICATION NUMBER: 10/171,468  
; PRIOR FILING DATE: 2002-06-14  
; PRIOR APPLICATION NUMBER: 10/225,066  
; PRIOR FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/225,067  
; PRIOR FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/225,068  
; PRIOR FILING DATE: 2002-08-09  
; NUMBER OF SEQ ID NOS: 2906  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1522

; LENGTH: 421

; TYPE: PRT

; ORGANISM: Oryza sativa

; FEATURE:

; OTHER INFORMATION: Orthologous to G1255

US-10-374-780A-1522

Query Match 37.5%; Score 6; DB 4; Length 421;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14  
|||||  
Db 126 AVPDLE 131

RESULT 55

US-10-412-699B-1593  
; Sequence 1593, Application US/10412699B  
; Publication No. US20040045049A1

GENERAL INFORMATION:

; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT: Zhang, James  
; APPLICANT: Fromm, Michael E.  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Broun, Pierre E.  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddie, James S.  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Samaha, Raymond R.  
; APPLICANT: Pilgrim, Marsha L.  
; APPLICANT: Creelman, Robert A.  
; APPLICANT: DuBell, Arnold N.  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Kumimoto, Roderick  
; APPLICANT: Sherman, Bradley K.

TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants

; FILE REFERENCE: MBI-0048CIP  
; CURRENT APPLICATION NUMBER: US/10/412,699B  
; CURRENT FILING DATE: 2003-04-10  
; PRIOR APPLICATION NUMBER: 09/394,519  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: 09/489,376  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: 09/506,720  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: 09/533,030  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,392  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,029  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/532,591  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,648  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/713,994  
; PRIOR FILING DATE: 2000-11-16  
; PRIOR APPLICATION NUMBER: 09/819,142  
; PRIOR FILING DATE: 2001-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2011  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1593

; LENGTH: 421

; TYPE: PRT

; ORGANISM: Oryza sativa

US-10-412-699B-1593

Query Match 37.5%; Score 6; DB 4; Length 421;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14  
|||||  
Db 126 AVPDLE 131

RESULT 56

US-10-739-930-7911  
; Sequence 7911, Application US/10739930  
; Publication No. US20040216190A1

GENERAL INFORMATION:

; APPLICANT: Kovalic, David K.  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH  
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT  
; FILE REFERENCE: 38-21(53377)B  
; CURRENT APPLICATION NUMBER: US/10/739,930  
; CURRENT FILING DATE: 2003-12-18  
; NUMBER OF SEQ ID NOS: 11088

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; SEQ ID NO 7911
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(449)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: ZEAMA-23APR03-C30887_2.p
US-10-739-930-7911
```

```
Query Match          37.5%; Score 6; DB 5; Length 449;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      11 PDLELP 16
        |||||
Db       102 PDLELP 107
```

```
RESULT 57
US-10-156-761-9431
; Sequence 9431, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 9431
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-9431
```

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Query Match          37.5%; Score 6; DB 4; Length 453;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      9 AVPDLE 14
        |||||
Db       307 AVPDLE 312
```

```
RESULT 58
US-10-156-761-10341
; Sequence 10341, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
```

```
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 10341
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-10341
```

```
Query Match          37.5%; Score 6; DB 4; Length 466;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      11 PDLELP 16
        |||||
Db       191 PDLELP 196
```

```
RESULT 59
US-10-282-122A-70351
; Sequence 70351, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70351
; LENGTH: 490
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-282-122A-70351
```

```
Query Match          37.5%; Score 6; DB 4; Length 490;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 YSLPKS 6
      |||||
Db     20 YSLPKS 25

RESULT 60
US-10-437-963-197508
; Sequence 197508, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 197508
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(493)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_93259C.1.pep
US-10-437-963-197508

Query Match      37.5%; Score 6; DB 4; Length 493;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
      |||||
Db     244 AVPDLE 249

RESULT 61
US-10-282-122A-48553
; Sequence 48553, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
;
```

```
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48553
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Bacteroides fragilis
US-10-282-122A-48553

Query Match      37.5%; Score 6; DB 4; Length 509;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
      |||||
Db     202 AVPDLE 207

RESULT 62
US-10-492-783-4
; Sequence 4, Application US/10492783
; Publication No. US20050130148A1
; GENERAL INFORMATION:
; APPLICANT: Dunn-Coleman, Nigel
; APPLICANT: Goedegebuur, Frits
; APPLICANT: Ward, Michael
; TITLE OF INVENTION: Trichoderma reesei Phytase Enzymes,
; TITLE OF INVENTION: Nucleic Acids Encoding Such Phytase Enzymes, Vectors and
; TITLE OF INVENTION: Host Cells Incorporating Same and Methods of Making and
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: GC692-2-US
; CURRENT APPLICATION NUMBER: US/10/492,783
; CURRENT FILING DATE: 2004-04-14
; PRIOR APPLICATION NUMBER: PCT/US02/32379
; PRIOR FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: US 60/339,475
; PRIOR FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 524
; TYPE: PRT
; ORGANISM: Trichoderma reesei
US-10-492-783-4

Query Match      37.5%; Score 6; DB 5; Length 524;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDLE 14
      |||||
Db     23 AVPDLE 28

RESULT 63
US-10-282-122A-72951
; Sequence 72951, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
```

; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 72951

; LENGTH: 535

; TYPE: PRT

; ORGANISM: Salmonella paratyphi A

US-10-282-122A-72951

Query Match 37.5%; Score 6; DB 4; Length 535;  
Best Local Similarity 100.0%; Pred. No. 4.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7  
|||||  
Db 268 SLPKSE 273

RESULT 64

US-10-282-122A-75100

; Sequence 75100, Application US/10282122A

; Publication No. US20040029129A1

; GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu

; APPLICANT: Zamudio, Carlos

; APPLICANT: Malone, Cheryl

; APPLICANT: Haselbeck, Robert

; APPLICANT: Ohlsen, Kari

; APPLICANT: Zyskind, Judith

; APPLICANT: Wall, Daniel

; APPLICANT: Trawick, John

; APPLICANT: Carr, Grant

; APPLICANT: Yamamoto, Robert

; APPLICANT: Forsyth, R.

; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 75100

; LENGTH: 543

; TYPE: PRT

; ORGANISM: Salmonella typhimurium

US-10-282-122A-75100

Query Match 37.5%; Score 6; DB 4; Length 543;

Best Local Similarity 100.0%; Pred. No. 4.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7

|||||

Db 268 SLPKSE 273

RESULT 65

US-10-156-761-13874

; Sequence 13874, Application US/10156761

; Publication No. US20030119018A1

; GENERAL INFORMATION:

; APPLICANT: OMURA, SATOSHI

; APPLICANT: IKEDA, HARUO

; APPLICANT: ISHIKAWA, JUN

; APPLICANT: HORIKAWA, HIROSHI

; APPLICANT: SHIBA, TADAYOSHI

; APPLICANT: SAKAKI, YOSHIYUKI

; APPLICANT: HATTORI, MASAHIRA

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-262

; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29

; PRIOR APPLICATION NUMBER: JP 2001-204089

; PRIOR FILING DATE: 2001-05-30

; PRIOR APPLICATION NUMBER: JP 2001-272697

; PRIOR FILING DATE: 2001-08-02

; NUMBER OF SEQ ID NOS: 15109

; SEQ ID NO 13874

; LENGTH: 608

; TYPE: PRT

; ORGANISM: Streptomyces avermitilis

US-10-156-761-13874

Query Match 37.5%; Score 6; DB 4; Length 608;

Best Local Similarity 100.0%; Pred. No. 5.2e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7

|||||

Db 548 SLPKSE 553

RESULT 66

US-11-097-143-8622

; Sequence 8622, Application US/11097143

; Publication No. US20050208558A1

; GENERAL INFORMATION:

; APPLICANT: Venter, J. Craig

; APPLICANT: et al.

; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

; TITLE OF INVENTION: DROSOPHILA GENES.

; FILE REFERENCE: CL000728

; CURRENT APPLICATION NUMBER: US/11/097,143

; CURRENT FILING DATE: 2005-04-04

; PRIOR APPLICATION NUMBER: 60/157,832

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: 60/160,191

; PRIOR FILING DATE: 1999-10-19

; PRIOR APPLICATION NUMBER: 60/161,932

; PRIOR FILING DATE: 1999-10-28

; PRIOR APPLICATION NUMBER: 60/164,769

; PRIOR FILING DATE: 1999-11-12

; PRIOR APPLICATION NUMBER: 60/173,383

; PRIOR FILING DATE: 1999-12-28

; PRIOR APPLICATION NUMBER: 60/175,693

; PRIOR FILING DATE: 2000-01-12

; PRIOR APPLICATION NUMBER: 60/184,831

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: 60/191,637

; PRIOR FILING DATE: 2000-03-23

; NUMBER OF SEQ ID NOS: 43008

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 8622

; LENGTH: 611

; TYPE: PRT

; ORGANISM: DROSOPHILA

US-11-097-143-8622

Query Match 37.5%; Score 6; DB 6; Length 611;

Best Local Similarity 100.0%; Pred. No. 5.2e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16

Db 462 PDLELP 467

RESULT 67

US-10-437-963-155480

; Sequence 155480, Application US/10437963

; Publication No. US20040123343A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; APPLICANT: Wu, Wei

; APPLICANT: Boukharov, Andrey A.

; APPLICANT: Barbazuk, Brad

; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10/437,963

; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966

; SEQ ID NO 155480

; LENGTH: 643

; TYPE: PRT

; ORGANISM: Oryza sativa

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_55239C.1.pep

US-10-437-963-155480

Query Match 37.5%; Score 6; DB 4; Length 643;

Best Local Similarity 100.0%; Pred. No. 5.5e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSLPKS 6

Db 239 YSLPKS 244

RESULT 68

US-10-425-115-337231

; Sequence 337231, Application US/10425115

; Publication No. US20040214272A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants

; FILE REFERENCE: 38-21(53222)B

; CURRENT APPLICATION NUMBER: US/10/425,115

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326

; SEQ ID NO 337231

; LENGTH: 657

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: MRT4577\_70723C.1.pep

US-10-425-115-337231

Query Match 37.5%; Score 6; DB 4; Length 657;

Best Local Similarity 100.0%; Pred. No. 5.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7

Db 204 SLPKSE 209

RESULT 69

US-10-156-761-7696

; Sequence 7696, Application US/10156761

; Publication No. US20030119018A1

; GENERAL INFORMATION:

; APPLICANT: OMURA, SATOSHI

; APPLICANT: IKEDA, HARUO

; APPLICANT: ISHIKAWA, JUN

; APPLICANT: HORIKAWA, HIROSHI

; APPLICANT: SHIBA, TADAYOSHI

; APPLICANT: SAKAKI, YOSHIYUKI

; APPLICANT: HATTORI, MASAHIRA

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-262

; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29

; PRIOR APPLICATION NUMBER: JP 2001-204089

; PRIOR FILING DATE: 2001-05-30

; PRIOR APPLICATION NUMBER: JP 2001-272697

; PRIOR FILING DATE: 2001-08-02

; NUMBER OF SEQ ID NOS: 15109

; SEQ ID NO 7696

; LENGTH: 727

; TYPE: PRT

; ORGANISM: Streptomyces avermitilis

US-10-156-761-7696

Query Match 37.5%; Score 6; DB 4; Length 727;

Best Local Similarity 100.0%; Pred. No. 6.1e+02;



```
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 SLPKSE 7
Db 94 SLPKSE 99
|||||

RESULT 70
US-10-425-114-59903
; Sequence 59903, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 59903
; LENGTH: 739
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3689-207-B7_FLI.pep
US-10-425-114-59903

Query Match 37.5%; Score 6; DB 4; Length 739;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 SLPKSE 7
Db 286 SLPKSE 291
|||||

RESULT 71
US-10-784-986-4
; Sequence 4, Application US/10784986
; Publication No. US20040229311A1
; GENERAL INFORMATION:
; APPLICANT: HIRANO, Seiko
; APPLICANT: YASUEDA, Hisashi
; TITLE OF INVENTION: Novel lysine decarboxylase gene and method for
; TITLE OF INVENTION: producing L-lysine
; FILE REFERENCE: US-109
; CURRENT APPLICATION NUMBER: US/10/784,986
; CURRENT FILING DATE: 2004-02-25
; PRIOR APPLICATION NUMBER: JP 2003-47185
; PRIOR FILING DATE: 2003-02-25
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 748
; TYPE: PRT
; ORGANISM: Methylophilus methylotrophus
US-10-784-986-4

Query Match 37.5%; Score 6; DB 5; Length 748;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 4 PKSEFA 9
Db 293 PKSEFA 298
|||||

RESULT 72
US-10-072-012-564
; Sequence 564, Application US/10072012
; Publication No. US20040033493A1
; GENERAL INFORMATION:
; APPLICANT: Tchernev, Velizar
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Shimkets, Richard
; APPLICANT: Li, Li
; APPLICANT: Gangolli, Esha
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Anderson, David W.
; APPLICANT: Rastelli, Luca
; APPLICANT: Miller, Charles E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Colman, Steven D.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Pena, Carol E. A
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Grosse, William M.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-258
; CURRENT APPLICATION NUMBER: US/10/072,012
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: 60/265,102
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/265,514
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,517
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,412
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,395
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/266,406
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/266,767
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: 60/267,057
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/266,975
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/267,459
; PRIOR FILING DATE: 2001-02-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1391
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 564
; LENGTH: 779
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-072-012-564

Query Match 37.5%; Score 6; DB 4; Length 779;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 8 FAVPDL 13
Db 194 FAVPDL 199
|||||

RESULT 73
US-10-437-963-147335
; Sequence 147335, Application US/10437963
; Publication No. US20040123343A1
```

```
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 147335
; LENGTH: 782
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_47873C.1.pep
US-10-437-963-147335
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```
Query Match          37.5%; Score 6; DB 4; Length 782;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      10 VPDLEL 15
        |||||
Db      631 VPDLEL 636
```

```
RESULT 74
US-10-450-763-55449
; Sequence 55449, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 55449
; LENGTH: 861
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-55449
```

```
Query Match          37.5%; Score 6; DB 5; Length 861;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      6 SEFAVP 11
        |||||
Db      850 SEFAVP 855
```

```
RESULT 75
US-10-450-763-60302
; Sequence 60302, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
```

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; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 60302
; LENGTH: 861
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-60302

Query Match          37.5%; Score 6; DB 5; Length 861;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 SEFAVP 11
        |||||
Db      850 SEFAVP 855

RESULT 76
US-10-437-963-141086
; Sequence 141086, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 141086
; LENGTH: 862
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_42224C.1.pep
US-10-437-963-141086
```

```
Query Match          37.5%; Score 6; DB 4; Length 862;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 YSLPKS 6
        |||||
Db      506 YSLPKS 511
```

```
RESULT 77
US-10-369-493-3347
; Sequence 3347, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
```

```
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 3347
; LENGTH: 930
; TYPE: PRT
; ORGANISM: Neurospora crassa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(930)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3347

Query Match          37.5%; Score 6; DB 4; Length 930;
Best Local Similarity 100.0%; Pred. No. 7.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 FAVPDL 13
      |||||
Db      318 FAVPDL 323

RESULT 78
US-10-732-923-8659
; Sequence 8659, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 8659
; LENGTH: 1111
; TYPE: PRT
; ORGANISM: Neurospora crassa
US-10-732-923-8659

Query Match          37.5%; Score 6; DB 5; Length 1111;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
      |||||
Db      381 SLPKSE 386

RESULT 79
US-10-282-122A-72153
; Sequence 72153, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
```

```
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72153
; LENGTH: 1212
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-10-282-122A-72153

Query Match          37.5%; Score 6; DB 4; Length 1212;
Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
      |||||
Db      732 SLPKSE 737

RESULT 80
US-10-437-963-179481
; Sequence 179481, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 179481
; LENGTH: 1219
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1219)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_7693C.1.pep
US-10-437-963-179481

Query Match          37.5%; Score 6; DB 4; Length 1219;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          9 AVPDLE 14
;          |||||
;          1013 AVPDLE 1018
Db

RESULT 81
US-10-437-963-125789
; Sequence 125789, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 125789
; LENGTH: 1352
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_2839C.1.pep
US-10-437-963-125789

Query Match          37.5%; Score 6; DB 4; Length 1352;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          5 KSEFAV 10
;          |||||
;          691 KSEFAV 696
Db

RESULT 82
US-11-097-143-261
; Sequence 261, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
,
```

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; SEQ ID NO 261
; LENGTH: 1379
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-261

Query Match          37.5%; Score 6; DB 6; Length 1379;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          11 PDLELP 16
;          |||||
;          1087 PDLELP 1092
Db

RESULT 83
US-10-437-963-169968
; Sequence 169968, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 169968
; LENGTH: 1415
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1415)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_68338C.1.pep
US-10-437-963-169968

Query Match          37.5%; Score 6; DB 4; Length 1415;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          9 AVPDLE 14
;          |||||
;          1213 AVPDLE 1218
Db

RESULT 84
US-11-097-143-15168
; Sequence 15168, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
,
```

```
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15168
; LENGTH: 1487
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-15168

Query Match      37.5%; Score 6; DB 6; Length 1487;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YSLPKS 6
Db      1033 YSLPKS 1038

RESULT 85
US-10-732-923-18391
; Sequence 18391, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 18391
; LENGTH: 1690
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-10-732-923-18391

Query Match      37.5%; Score 6; DB 5; Length 1690;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
Db      1575 SLPKSE 1580

RESULT 86
US-11-097-143-14691
; Sequence 14691, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
```

```
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14691
; LENGTH: 1953
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-14691

Query Match      37.5%; Score 6; DB 6; Length 1953;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLELP 16
Db      507 PDLELP 512

RESULT 87
US-10-408-765A-2217
; Sequence 2217, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2217
; LENGTH: 1966
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2217

Query Match      37.5%; Score 6; DB 4; Length 1966;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 EFAVPD 12
Db      37 EFAVPD 42

RESULT 88
US-10-437-963-115576
; Sequence 115576, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
```

; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 115576  
; LENGTH: 2070  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_1915C.1.pep  
US-10-437-963-115576

Query Match 37.5%; Score 6; DB 4; Length 2070;  
Best Local Similarity 100.0%; Pred. No. 1.5e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 KSEFAV 10  
|||||  
Db 878 KSEFAV 883

RESULT 89  
US-11-097-143-15276  
; Sequence 15276, Application US/11097143  
; Publication No. US20050208558A1  
; GENERAL INFORMATION:  
; APPLICANT: Venter, J. Craig  
; APPLICANT: et al.  
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
; TITLE OF INVENTION: DROSOPHILA GENES.  
; FILE REFERENCE: CL000728  
; CURRENT APPLICATION NUMBER: US/11/097,143  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: 60/157,832  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: 60/160,191  
; PRIOR FILING DATE: 1999-10-19  
; PRIOR APPLICATION NUMBER: 60/161,932  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 60/164,769  
; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 60/173,383  
; PRIOR FILING DATE: 1999-12-28  
; PRIOR APPLICATION NUMBER: 60/175,693  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: 60/184,831  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: 60/191,637  
; PRIOR FILING DATE: 2000-03-23  
; NUMBER OF SEQ ID NOS: 43008  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 15276  
; LENGTH: 2129  
; TYPE: PRT  
; ORGANISM: DROSOPHILA

US-11-097-143-15276  
Query Match 37.5%; Score 6; DB 6; Length 2129;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 SEFAVP 11  
|||||  
Db 27 SEFAVP 32

RESULT 90

US-09-995-542-10  
; Sequence 10, Application US/09995542  
; Patent No. US20020127647A1  
; GENERAL INFORMATION:  
; APPLICANT: Shutter, John  
; APPLICANT: Ulias, Laarni  
; TITLE OF INVENTION: ATP-Binding Cassette Transporter-Like Molecules and  
; TITLE OF INVENTION: Uses Thereof  
; FILE REFERENCE: 00-658-A  
; CURRENT APPLICATION NUMBER: US/09/995,542  
; CURRENT FILING DATE: 2001-11-28  
; PRIOR APPLICATION NUMBER: 60/253,520  
; PRIOR FILING DATE: 2000-11-28  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 2310  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-995-542-10

Query Match 37.5%; Score 6; DB 3; Length 2310;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLEL 15  
|||||  
Db 195 VPDLEL 200

RESULT 91  
US-10-341-434-236  
; Sequence 236, Application US/10341434  
; Publication No. US20030215835A1  
; GENERAL INFORMATION:  
; APPLICANT: Origene Technologies  
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes  
; FILE REFERENCE: 9U 204 205 R1  
; CURRENT APPLICATION NUMBER: US/10/341,434  
; CURRENT FILING DATE: 2003-07-18  
; PRIOR APPLICATION NUMBER: US 60/348,164  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: US 60/348,119  
; PRIOR FILING DATE: 2002-01-15  
; NUMBER OF SEQ ID NOS: 238  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 236  
; LENGTH: 2440  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-341-434-236

Query Match 37.5%; Score 6; DB 4; Length 2440;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12  
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Db 37 EFAVPD 42

RESULT 92  
US-10-885-977-35  
; Sequence 35, Application US/10885977  
; Publication No. US20050136429A1  
; GENERAL INFORMATION:  
; APPLICANT: Guarente, Leonard P.  
; APPLICANT: Picard, Frederic  
; TITLE OF INVENTION: SIRT1 MODULATION OF ADIPOGENESIS AND  
; TITLE OF INVENTION: ADIPOSE FUNCTION  
; FILE REFERENCE: 13407-058001  
; CURRENT APPLICATION NUMBER: US/10/885,977  
; CURRENT FILING DATE: 2004-07-06

; PRIOR APPLICATION NUMBER: US 60/484,836  
; PRIOR FILING DATE: 2003-07-03  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 35  
; LENGTH: 2440  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-885-977-35

Query Match 37.5%; Score 6; DB 5; Length 2440;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 EFAVPD 12  
Db 37 EFAVPD 42

RESULT 93  
US-10-745-237-222  
; Sequence 222, Application US/10745237  
; Publication No. US20050227301A1  
; GENERAL INFORMATION:  
; APPLICANT: Cyclacel Limited  
; APPLICANT: Glover, David  
; APPLICANT: Bell, Graham  
; APPLICANT: Frenz, Lisa  
; APPLICANT: Midgley, Carol  
; TITLE OF INVENTION: Cell Cycle Progression Proteins  
; FILE REFERENCE: P015819WO CYK  
; CURRENT APPLICATION NUMBER: US/10/745,237  
; CURRENT FILING DATE: 2003-12-23  
; PRIOR APPLICATION NUMBER: US 60/439,123  
; PRIOR FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: US 60/468,402  
; PRIOR FILING DATE: 2003-05-06  
; NUMBER OF SEQ ID NOS: 600  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 222  
; LENGTH: 2440  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: 075376  
US-10-745-237-222

Query Match 37.5%; Score 6; DB 5; Length 2440;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 EFAVPD 12  
Db 37 EFAVPD 42

RESULT 94  
US-10-392-113-42  
; Sequence 42, Application US/10392113  
; Publication No. US20030224993A1  
; GENERAL INFORMATION:  
; APPLICANT: Land, Hartmut  
; APPLICANT: Deleu, Laurent  
; TITLE OF INVENTION: COMPOSITIONS THAT INHIBIT PROLIFERATION  
; TITLE OF INVENTION: OF CANCER CELLS  
; FILE REFERENCE: 21108.0005U3  
; CURRENT APPLICATION NUMBER: US/10/392,113  
; CURRENT FILING DATE: 2003-03-17  
; PRIOR APPLICATION NUMBER: 60/365,078  
; PRIOR FILING DATE: 2002-03-15  
; PRIOR APPLICATION NUMBER: PCT/US01/32127  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 60/239,705

; PRIOR FILING DATE: 2000-10-12  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 42  
; LENGTH: 3418  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:/Note =  
; OTHER INFORMATION: Synthetic Construct  
US-10-392-113-42

Query Match 37.5%; Score 6; DB 4; Length 3418;  
Best Local Similarity 100.0%; Pred. No. 2.4e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7  
Db 451 SLPKSE 456

RESULT 95  
US-10-634-574-1  
; Sequence 1, Application US/10634574  
; Publication No. US20040072268A1  
; GENERAL INFORMATION:  
; APPLICANT: The Wistar Institute  
; APPLICANT: Ramin Shiekhataar  
; TITLE OF INVENTION: METHODS FOR REGULATING BRCA1-BRCA2-CONTAINING COMPLEX ACTIVITY  
; FILE REFERENCE: WSTR-0014B  
; CURRENT APPLICATION NUMBER: US/10/634,574  
; CURRENT FILING DATE: 2003-08-05  
; PRIOR APPLICATION NUMBER: US 60/401,433  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: US 60/449,950  
; PRIOR FILING DATE: 2003-02-24  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 3418  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-634-574-1

Query Match 37.5%; Score 6; DB 4; Length 3418;  
Best Local Similarity 100.0%; Pred. No. 2.4e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7  
Db 451 SLPKSE 456

RESULT 96  
US-10-408-765A-178  
; Sequence 178, Application US/10408765A  
; Publication No. US20040101874A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Soumitra S.  
; APPLICANT: Fahy, Eoin D.  
; APPLICANT: Zhang, Bing  
; APPLICANT: Gibson, Bradford W.  
; APPLICANT: Taylor, Steven W.  
; APPLICANT: Glenn, Gary M.  
; APPLICANT: Warnock, Dale E.  
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
; FILE REFERENCE: 660088.465  
; CURRENT APPLICATION NUMBER: US/10/408,765A  
; CURRENT FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 3077  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 178



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; LENGTH: 3418
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 718, 2261
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-408-765A-178

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Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
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Db      451 SLPKSE 456

RESULT 97
US-10-450-763-53776
; Sequence 53776, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 53776
; LENGTH: 3423
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (3366)..(3376)
; OTHER INFORMATION: GLYCOSYL HYDROLASE FAMILY 11 SIGNATURE domain identified by
; OTHER INFORMATION: eMATRIX, accession number PR00911E, p-value=8.244e-10, raw score
; OTHER INFORMATION: 10.85
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1006)..(2089)
; OTHER INFORMATION: BRCA2 repeat domain identified by PFam, accession name
; OTHER INFORMATION: BRCA2_repeat, E-value=4.7e-126, PFam score of 432.2
US-10-450-763-53776

Query Match          37.5%; Score 6; DB 5; Length 3423;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKSE 7
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Db      453 SLPKSE 458

RESULT 98
US-10-930-300-156
; Sequence 156, Application US/10930300
; Publication No. US20050014138A1
; GENERAL INFORMATION:
; APPLICANT: Rath, Matthias
; TITLE OF INVENTION: METHOD OF PRODUCING VACCINES FROM PROTEIN SIGNAL
; OLIGOPEPTIDES
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INHOUSE IP MANAGEMENT
;
```

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; STREET: 280 Colorado Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk, 3.50 inch, 1.44MB Storage
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: MS WORD 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/930,300
; FILING DATE: 30-Aug-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/182,248
; FILING DATE: 14-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: ALI KAMAREI
; REGISTRATION NUMBER: 37000
; REFERENCE/DOCKET NUMBER: 10262-1US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-322-7371
; TELEFAX: 650-322-7389
; INFORMATION FOR SEQ ID NO: 156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 156:
US-10-930-300-156

Query Match          31.2%; Score 5; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
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Db      2 DLELP 6

RESULT 99
US-09-572-270A-108
; Sequence 108, Application US/09572270A
; Publication No. US20030148368A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Inter- complementary peptide listing
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/572,270A
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 1144
; SOFTWARE: ProtPatent version 1.0
; SEQ ID NO 108
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Arabidopsis Thaliana
; OTHER INFORMATION: Sequence located in Unknown at 175-184 and may interact with
US-09-572-270A-108

Query Match          31.2%; Score 5; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YSLPK 5
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Db      2 YSLPK 6

RESULT 100
US-10-948-707-1255
; Sequence 1255, Application US/10948707
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; Publication No. US20050187147A1
; GENERAL INFORMATION:
; APPLICANT: Ballatore, Carlo
; APPLICANT: Castellino, Angelo
; APPLICANT: Desharnais, Joel
; APPLICANT: Guo, Zijian
; APPLICANT: Li, Qing
; APPLICANT: Newman, Michael James
; APPLICANT: Sun, Chengzao
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INCREASING
; TITLE OF INVENTION: DRUG EFFICIENCY
; FILE REFERENCE: 17967-003001
; CURRENT APPLICATION NUMBER: US/10/948,707
; CURRENT FILING DATE: 2004-09-22
; PRIOR APPLICATION NUMBER: 60/505,325
; PRIOR FILING DATE: 2003-09-22
; PRIOR APPLICATION NUMBER: 60/568,340
; PRIOR FILING DATE: 2004-05-04
; PRIOR APPLICATION NUMBER: 60/581,835
; PRIOR FILING DATE: 2004-06-22
; NUMBER OF SEQ ID NOS: 1422
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1255
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-948-707-1255
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Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      2 DLELP 6
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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: February 15, 2006, 09:52:55 ; Search time 1.84889 Seconds  
(without alignments)  
122.986 Million cell updates/sec

Title: US-10-030-937-72

Perfect score: 16

Sequence: 1 YSLPKSEFAVPDLELP 16

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Gapop 60.0 , Gapext 60.0

Searched: 107799 seqs, 14211699 residues

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Minimum DB seq length: 0

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Post-processing: Listing first 150 summaries

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3: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*

4: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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1	8	50.0	201	6	US-10-821-234-1162			Sequence 1162, Ap
2	6	37.5	216	7	US-11-186-284-217			Sequence 217, App
3	6	37.5	216	7	US-11-169-041-210			Sequence 210, App
4	6	37.5	251	7	US-11-186-284-220			Sequence 220, App
5	6	37.5	267	7	US-11-186-284-215			Sequence 215, App
6	6	37.5	302	7	US-11-024-959-387			Sequence 387, App
7	6	37.5	302	7	US-11-024-959-388			Sequence 388, App
8	6	37.5	302	7	US-11-152-892-10			Sequence 389, App
9	6	37.5	330	7	US-11-166-288-4			Sequence 10, Appl
10	5	31.2	104	6	US-10-834-397-168			Sequence 168, App
11	5	31.2	111	6	US-10-821-234-1442			Sequence 1442, Ap
12	5	31.2	111	6	US-10-821-234-1547			Sequence 1547, Ap
13	5	31.2	113	7	US-11-072-512-2080			Sequence 2080, Ap
14	5	31.2	121	7	US-11-072-512-3879			Sequence 3879, Ap
15	5	31.2	133	7	US-11-166-288-2			Sequence 2, Appli
16	5	31.2	136	7	US-11-166-288-15			Sequence 15, Appl
17	5	31.2	148	7	US-11-166-288-4			Sequence 4, Appli
18	5	31.2	150	7	US-11-166-288-6			Sequence 6, Appli
19	5	31.2	167	7	US-11-072-512-2412			Sequence 2412, Ap
20	5	31.2	169	7	US-11-072-512-3903			Sequence 3903, Ap
21	5	31.2	180	6	US-10-821-234-1552			Sequence 1552, Ap
22	5	31.2	203	7	US-11-182-016-42			Sequence 42, Appl
23	5	31.2	205	6	US-10-454-437-26			Sequence 26, Appl
24	5	31.2	209	6	US-10-467-657-6890			Sequence 6890, Ap
25	5	31.2	236	6	US-10-467-657-5368			Sequence 5368, Ap

26	5	31.2	252	6	US-10-995-561-601			Sequence 601, App
27	5	31.2	252	7	US-11-098-686-11106			Sequence 11106, A
28	5	31.2	261	6	US-10-724-598-14			Sequence 14, Appl
29	5	31.2	269	6	US-10-983-120-13			Sequence 13, Appl
30	5	31.2	270	7	US-11-098-686-10898			Sequence 10898, A
31	5	31.2	343	7	US-11-207-626A-24			Sequence 24, Appl
32	5	31.2	359	6	US-10-714-887-26			Sequence 26, Appl
33	5	31.2	363	6	US-10-995-561-602			Sequence 602, App
34	5	31.2	379	6	US-10-714-887-16			Sequence 16, Appl
35	5	31.2	385	7	US-11-207-626A-25			Sequence 25, Appl
36	5	31.2	390	6	US-10-793-626-1422			Sequence 1422, Ap
37	5	31.2	410	6	US-10-467-657-3024			Sequence 3024, Ap
38	5	31.2	412	6	US-10-793-626-368			Sequence 368, App
39	5	31.2	417	6	US-10-485-517-419			Sequence 419, App
40	5	31.2	425	6	US-10-858-730-3			Sequence 3, Appli
41	5	31.2	431	6	US-10-793-626-1474			Sequence 1474, Ap
42	5	31.2	450	6	US-10-131-826A-378			Sequence 378, App
43	5	31.2	457	6	US-10-986-501-110			Sequence 110, App
44	5	31.2	458	6	US-10-454-437-124			Sequence 124, App
45	5	31.2	497	6	US-10-984-376-3			Sequence 3, Appli
46	5	31.2	510	7	US-11-072-512-2580			Sequence 2580, Ap
47	5	31.2	543	7	US-11-072-512-2140			Sequence 2140, Ap
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49	5	31.2	545	7	US-11-065-943-65			Sequence 65, Appl
50	5	31.2	545	7	US-11-065-943-67			Sequence 67, Appl
51	5	31.2	545	7	US-11-065-943-69			Sequence 69, Appl
52	5	31.2	545	7	US-11-065-943-71			Sequence 71, Appl
53	5	31.2	545	7	US-11-065-943-73			Sequence 73, Appl
54	5	31.2	545	7	US-11-065-943-75			Sequence 75, Appl
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58	5	31.2	545	7	US-11-065-943-83			Sequence 83, Appl
59	5	31.2	545	7	US-11-065-943-85			Sequence 85, Appl
60	5	31.2	545	7	US-11-065-943-87			Sequence 87, Appl
61	5	31.2	545	7	US-11-065-943-89			Sequence 89, Appl
62	5	31.2	545	7	US-11-065-943-91			Sequence 91, Appl
63	5	31.2	545	7	US-11-065-943-93			Sequence 93, Appl
64	5	31.2	545	7	US-11-065-943-95			Sequence 95, Appl
65	5	31.2	545	7	US-11-065-943-97			Sequence 97, Appl
66	5	31.2	545	7	US-11-065-943-99			Sequence 99, Appl
67	5	31.2	550	6	US-10-467-657-234			Sequence 234, App
68	5	31.2	550	6	US-10-467-657-234			Sequence 234, App
69	5	31.2	554	6	US-10-850-816-2			Sequence 2, Appli
70	5	31.2	554	6	US-10-850-816-4			Sequence 4, Appli
71	5	31.2	554	6	US-10-850-816-6			Sequence 6, Appli
72	5	31.2	562	7	US-11-065-943-20			Sequence 20, Appl
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74	5	31.2	562	7	US-11-065-943-26			Sequence 26, Appl
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76	5	31.2	562	7	US-11-065-943-30			Sequence 30, Appl
77	5	31.2	562	7	US-11-065-943-32			Sequence 32, Appl
78	5	31.2	562	7	US-11-065-943-34			Sequence 34, Appl
79	5	31.2	562	7	US-11-065-943-36			Sequence 36, Appl
80	5	31.2	562	7	US-11-065-943-38			Sequence 38, Appl
81	5	31.2	641	7	US-11-072-512-2385			Sequence 2385, Ap
82	5	31.2	660	6	US-10-131-826A-350			Sequence 350, App
83	5	31.2	697	7	US-11-072-512-3785			Sequence 3785, Ap
84	5	31.2	698	6	US-10-793-626-2388			Sequence 2388, Ap
85	5	31.2	728	6	US-10-467-657-1442			Sequence 1442, Ap
86	5	31.2	741	6	US-10-467-657-6266			Sequence 6266, Ap
87	5	31.2	816	7	US-11-072-512-2050			Sequence 2050, Ap
88	5	31.2	832	7	US-11-065-943-100			Sequence 100, App
89	5	31.2	832	7	US-11-007-797A-11			Sequence 11, Appl
90	5	31.2	832	7	US-11-007-642B-11			Sequence 11, Appl
91	5	31.2	924	6	US-10-467-657-4290			Sequence 4290, Ap
92	5	31.2	956	7	US-11-016-706-40			Sequence 40, Appl
93	5	31.2	1024	6	US-10-131-826A-198			Sequence 198, App
94	5	31.2	1214	7	US-11-024-959-483			Sequence 483, App
95	5	31.2	1627	6	US-10-821-234-1283			Sequence 1283, Ap
96	5	31.2	2261	6	US-10-995-561-600			Sequence 600, App
97	5	31.2	2261	6	US-10-511-545-1			Sequence 1, Appli
98	5	31.2	2261	7	US-11-055-309A-9			Sequence 9, Appli

99 5 31.2 2261 7 US-11-055-309A-10 Sequence 10, Appl  
100 5 31.2 3157 7 US-11-052-554A-142 Sequence 142, App  
101 5 31.2 3635 7 US-11-019-711-47 Sequence 47, Appl  
102 5 31.2 3712 7 US-11-019-711-48 Sequence 48, Appl  
103 5 31.2 3712 7 US-11-019-711-51 Sequence 51, Appl  
104 5 31.2 6893 7 US-11-205-109-14 Sequence 14, Appl  
105 5 31.2 8695 7 US-11-205-109-15 Sequence 15, Appl  
106 4 25.0 8 7 US-11-033-039-5 Sequence 5, Appli  
107 4 25.0 9 6 US-10-510-101-111 Sequence 111, App  
108 4 25.0 10 7 US-11-045-024-3035 Sequence 3035, Ap  
109 4 25.0 10 7 US-11-045-024-8853 Sequence 8853, Ap  
110 4 25.0 10 7 US-11-045-024-11126 Sequence 11126, A  
111 4 25.0 11 6 US-10-877-961B-139 Sequence 139, App  
112 4 25.0 11 7 US-11-045-024-3078 Sequence 3078, Ap  
113 4 25.0 11 7 US-11-045-024-8858 Sequence 8858, Ap  
114 4 25.0 11 7 US-11-045-024-11132 Sequence 11132, A  
115 4 25.0 11 7 US-11-033-039-6 Sequence 6, Appli  
116 4 25.0 14 7 US-11-033-039-7 Sequence 7, Appli  
117 4 25.0 15 6 US-10-945-674A-132 Sequence 132, App  
118 4 25.0 17 7 US-11-054-515-3203 Sequence 3203, Ap  
119 4 25.0 19 6 US-10-503-575-186 Sequence 186, App  
120 4 25.0 20 6 US-10-485-788A-574 Sequence 574, App  
121 4 25.0 20 6 US-10-485-788A-589 Sequence 589, App  
122 4 25.0 21 6 US-10-467-657-9148 Sequence 9148, Ap  
123 4 25.0 25 7 US-11-168-187-6 Sequence 6, Appli  
124 4 25.0 25 7 US-11-169-111-6 Sequence 6, Appli  
125 4 25.0 30 6 US-10-467-657-5170 Sequence 5170, Ap  
126 4 25.0 33 6 US-10-945-674A-130 Sequence 130, App  
127 4 25.0 35 6 US-10-957-351-197 Sequence 197, App  
128 4 25.0 36 6 US-10-957-351-153 Sequence 153, App  
129 4 25.0 37 6 US-10-467-657-8336 Sequence 8336, Ap  
130 4 25.0 38 6 US-10-467-657-5964 Sequence 5964, Ap  
131 4 25.0 40 6 US-10-986-501-191 Sequence 191, App  
132 4 25.0 40 6 US-10-952-535A-42 Sequence 42, Appl  
133 4 25.0 42 6 US-10-467-657-2404 Sequence 2404, Ap  
134 4 25.0 42 6 US-10-467-657-3990 Sequence 3990, Ap  
135 4 25.0 43 7 US-11-150-883-15 Sequence 15, Appl  
136 4 25.0 43 7 US-11-150-887-10 Sequence 10, Appl  
137 4 25.0 45 6 US-10-467-657-6142 Sequence 6142, Ap  
138 4 25.0 46 6 US-10-467-657-8823 Sequence 8823, Ap  
139 4 25.0 47 6 US-10-485-517-270 Sequence 270, App  
140 4 25.0 48 6 US-10-895-064-2913 Sequence 2913, Ap  
141 4 25.0 49 6 US-10-467-657-4614 Sequence 4614, Ap  
142 4 25.0 51 6 US-10-821-234-1099 Sequence 1099, Ap  
143 4 25.0 51 6 US-10-467-657-8248 Sequence 8248, Ap  
144 4 25.0 53 6 US-10-986-501-174 Sequence 174, App  
145 4 25.0 55 6 US-10-467-657-7140 Sequence 7140, Ap  
146 4 25.0 61 7 US-11-043-788-491 Sequence 491, App  
147 4 25.0 62 6 US-10-467-657-8066 Sequence 8066, Ap  
148 4 25.0 63 6 US-10-467-657-5344 Sequence 5344, Ap  
149 4 25.0 63 7 US-11-183-914-1 Sequence 1, Appli  
150 4 25.0 65 7 US-11-156-084-321 Sequence 321, App

ALIGNMENTS

RESULT 1  
US-10-821-234-1162  
; Sequence 1162, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pt\_seq\_genes Version 1.0  
; SEQ ID NO 1162  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1162  
  
Query Match 50.0%; Score 8; DB 6; Length 201;  
Best Local Similarity 100.0%; Pred.No. 0.074;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 YSLPKSEF 8  
Db 153 YSLPKSEF 160  
|||||||  
  
RESULT 2  
US-11-186-284-217  
; Sequence 217, Application US/11186284  
; Publication No. US20050266493A1  
; GENERAL INFORMATION:  
; APPLICANT: Millennium Pharmaceuticals, Inc.  
; APPLICANT: Berger, Allison  
; APPLICANT: Guillemette, Tracy L.  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Schlegel, Robert  
; APPLICANT: Monahan, John E.  
; APPLICANT: Thibodeau, Stephen N.  
; APPLICANT: Burgart, Lawrence J.  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF COLON CANCER  
; FILE REFERENCE: MPM01-029P2RNM  
; CURRENT APPLICATION NUMBER: US/11/186,284  
; CURRENT FILING DATE: 2005-07-21  
; PRIOR APPLICATION NUMBER: US/10/301,822  
; PRIOR FILING DATE: 2002-11-21  
; PRIOR APPLICATION NUMBER: US 60/339,971  
; PRIOR FILING DATE: 2001-12-10  
; PRIOR APPLICATION NUMBER: US 60/361,978  
; PRIOR FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US 60/381,988  
; PRIOR FILING DATE: 2002-05-20  
; NUMBER OF SEQ ID NOS: 228  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 217  
; LENGTH: 216  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-11-186-284-217  
  
Query Match 37.5%; Score 6; DB 7; Length 216;  
Best Local Similarity 100.0%; Pred.No. 9.6;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 10 VPDLEL 15  
Db 103 VPDLEL 108  
|||||  
  
RESULT 3  
US-11-169-041-210  
; Sequence 210, Application US/11169041  
; Publication No. US20060019284A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF  
; TITLE OF INVENTION: COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE  
; TITLE OF INVENTION: KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER  
; TITLE OF INVENTION: CELLS  
; FILE REFERENCE: 10001 NP  
; CURRENT APPLICATION NUMBER: US/11/169,041  
; CURRENT FILING DATE: 2005-06-28

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; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 210
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-169-041-210

Query Match      37.5%; Score 6; DB 7; Length 216;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLEL 15
      |||||
Db      103 VPDLEL 108

RESULT 4
US-11-186-284-220
; Sequence 220, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 220
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-220

Query Match      37.5%; Score 6; DB 7; Length 251;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLEL 15
      |||||
Db      103 VPDLEL 108

RESULT 5
US-11-186-284-215
; Sequence 215, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert

; PRIOR APPLICATION NUMBER: 60/584,405
; PRIOR FILING DATE: 2004-06-30
; NUMBER OF SEQ ID NOS: 527
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 210
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-169-041-210

; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 220
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-220

Query Match      37.5%; Score 6; DB 7; Length 267;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLEL 15
      |||||
Db      103 VPDLEL 108

RESULT 6
US-11-024-959-387
; Sequence 387, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 04463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 387
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-387

Query Match      37.5%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
      |||||
Db      259 AVPDLE 264

RESULT 7
US-11-024-959-388
; Sequence 388, Application US/11024959
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; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 388
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-388
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```
Query Match          37.5%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      9 AVPDLE 14
         |||||
Db      259 AVPDLE 264
```

```
RESULT 8
US-11-024-959-389
; Sequence 389, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 389
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-389
```

```
Query Match          37.5%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      9 AVPDLE 14
         |||||
Db      259 AVPDLE 264
```

```
RESULT 9
US-11-152-892-10
; Sequence 10, Application US/11152892
; Publication No. US20050251883A1
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; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M.
; APPLICANT: Schomburg, Fritz M.
; APPLICANT: Michaels, Scott D.
; APPLICANT: Bizzell, Colleen M.
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants
; FILE REFERENCE: 960296.97605
; CURRENT APPLICATION NUMBER: US/11/152,892
; CURRENT FILING DATE: 2005-06-15
; PRIOR APPLICATION NUMBER: US/10/155,435
; PRIOR FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Arabidopsis
US-11-152-892-10
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Query Match          37.5%; Score 6; DB 7; Length 330;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      2 SLPKSE 7
         |||||
Db      66 SLPKSE 71
```

```
RESULT 10
US-10-834-397-168
; Sequence 168, Application US/10834397
; Publication No. US20060003334A1
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
;               Pack, Peter
;               Ilag, Vic
;               Ge, Liming
;               Moroney, Simon
;               Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/834,397
; FILING DATE: 29-Apr-2004
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,324
; FILING DATE: 24-Jan-2000
; APPLICATION NUMBER: US/09/025,769
; FILING DATE: 18-FEB-1998
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)596-9000
; TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 168:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 104 amino acids
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```

;
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 168:
US-10-834-397-168

Query Match      31.2%; Score 5; DB 6; Length 104;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 PKSEF 8
Db      100 PKSEF 104

RESULT 11
US-10-821-234-1442
; Sequence 1442, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1442
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1442

Query Match      31.2%; Score 5; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      63 VPDLE 67

RESULT 12
US-10-821-234-1547
; Sequence 1547, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1547
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1547

Query Match      31.2%; Score 5; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      63 VPDLE 67

RESULT 13
US-11-072-512-2080
; Sequence 2080, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2080
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2080

Query Match      31.2%; Score 5; DB 7; Length 113;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      105 SLPKS 109

RESULT 14
US-11-072-512-3879
; Sequence 3879, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
```

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;
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 168:
US-10-834-397-168

Query Match      31.2%; Score 5; DB 6; Length 104;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 PKSEF 8
Db      100 PKSEF 104

RESULT 11
US-10-821-234-1442
; Sequence 1442, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1442
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1442

Query Match      31.2%; Score 5; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      63 VPDLE 67

RESULT 12
US-10-821-234-1547
; Sequence 1547, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1547
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1547

Query Match      31.2%; Score 5; DB 6; Length 111;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      63 VPDLE 67

RESULT 13
US-11-072-512-2080
; Sequence 2080, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2080
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2080

Query Match      31.2%; Score 5; DB 7; Length 113;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      105 SLPKS 109

RESULT 14
US-11-072-512-3879
; Sequence 3879, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
```

; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOKYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: Novel full length cDNA  
; FILE REFERENCE: 084335-0191  
; CURRENT APPLICATION NUMBER: US/11/072,512  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: US 60/350,978  
; PRIOR FILING DATE: 2002-01-25  
; PRIOR APPLICATION NUMBER: JP 2001-379298  
; PRIOR FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3879  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-072-512-3879

Query Match 31.2%; Score 5; DB 7; Length 121;  
Best Local Similarity 100.0%; Pred. No. 61;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16  
Db 28 DLELP 32

RESULT 15  
US-11-166-288-2  
; Sequence 2, Application US/11166288  
; Publication No. US20050266528A1  
; GENERAL INFORMATION:  
; APPLICANT: Laemmle, Bernhard  
; APPLICANT: Schwarz, Hans-Peter  
; APPLICANT: Scheiflinger, Friedrich  
; APPLICANT: Antoine, Gerhard  
; APPLICANT: Kerschbaumer, Randolph  
; APPLICANT: Tagliavacca, Luigina  
; APPLICANT: Zimmermann, Klaus  
; APPLICANT: Furlan, Miha  
; APPLICANT: Turecek, Peter  
; APPLICANT: Gerritsen, Helena E.  
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act  
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG  
; FILE REFERENCE: 247.00CIP  
; CURRENT APPLICATION NUMBER: US/11/166,288  
; CURRENT FILING DATE: 2005-06-23  
; PRIOR APPLICATION NUMBER: US/09/833,328  
; PRIOR FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 09/721,254  
; PRIOR FILING DATE: 2000-11-22  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 133  
; TYPE: PRT  
; ORGANISM: human  
US-11-166-288-2

Query Match 31.2%; Score 5; DB 7; Length 133;  
Best Local Similarity 100.0%; Pred. No. 67;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16  
Db 93 DLELP 97

RESULT 16  
US-11-166-288-15  
; Sequence 15, Application US/11166288

; Publication No. US20050266528A1  
; GENERAL INFORMATION:  
; APPLICANT: Laemmle, Bernhard  
; APPLICANT: Schwarz, Hans-Peter  
; APPLICANT: Scheiflinger, Friedrich  
; APPLICANT: Antoine, Gerhard  
; APPLICANT: Kerschbaumer, Randolph  
; APPLICANT: Tagliavacca, Luigina  
; APPLICANT: Zimmermann, Klaus  
; APPLICANT: Furlan, Miha  
; APPLICANT: Turecek, Peter  
; APPLICANT: Gerritsen, Helena E.  
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act  
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG  
; FILE REFERENCE: 247.00CIP  
; CURRENT APPLICATION NUMBER: US/11/166,288  
; CURRENT FILING DATE: 2005-06-23  
; PRIOR APPLICATION NUMBER: US/09/833,328  
; PRIOR FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 09/721,254  
; PRIOR FILING DATE: 2000-11-22  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 136  
; TYPE: PRT  
; ORGANISM: human  
US-11-166-288-15

Query Match 31.2%; Score 5; DB 7; Length 136;  
Best Local Similarity 100.0%; Pred. No. 69;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16  
Db 96 DLELP 100

RESULT 17  
US-11-166-288-4  
; Sequence 4, Application US/11166288  
; Publication No. US20050266528A1  
; GENERAL INFORMATION:  
; APPLICANT: Laemmle, Bernhard  
; APPLICANT: Schwarz, Hans-Peter  
; APPLICANT: Scheiflinger, Friedrich  
; APPLICANT: Antoine, Gerhard  
; APPLICANT: Kerschbaumer, Randolph  
; APPLICANT: Tagliavacca, Luigina  
; APPLICANT: Zimmermann, Klaus  
; APPLICANT: Furlan, Miha  
; APPLICANT: Turecek, Peter  
; APPLICANT: Gerritsen, Helena E.  
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act  
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG  
; FILE REFERENCE: 247.00CIP  
; CURRENT APPLICATION NUMBER: US/11/166,288  
; CURRENT FILING DATE: 2005-06-23  
; PRIOR APPLICATION NUMBER: US/09/833,328  
; PRIOR FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 09/721,254  
; PRIOR FILING DATE: 2000-11-22  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 148  
; TYPE: PRT  
; ORGANISM: human  
US-11-166-288-4

Query Match 31.2%; Score 5; DB 7; Length 148;  
Best Local Similarity 100.0%; Pred. No. 74;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY      12 DLELP 16
      |||||
Db      108 DLELP 112

RESULT 18
US-11-166-288-6
; Sequence 6, Application US/11166288
; Publication No. US20050266528A1
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Rudolf
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGG
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/11/166,288
; CURRENT FILING DATE: 2005-06-23
; PRIOR APPLICATION NUMBER: US/09/833,328
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 150
; TYPE: PRT
; ORGANISM: human
US-11-166-288-6

Query Match      31.2%; Score 5; DB 7; Length 150;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      110 DLELP 114

RESULT 19
US-11-072-512-2412
; Sequence 2412, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512

QY      12 DLELP 16
      |||||
Db      110 DLELP 114

RESULT 20
US-11-072-512-3903
; Sequence 3903, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512

QY      12 DLELP 16
      |||||
Db      110 DLELP 114

RESULT 21
US-11-072-512-2412
; Sequence 2412, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
```

```
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2412
; LENGTH: 167
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2412
```

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Query Match      31.2%; Score 5; DB 7; Length 167;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      10 VPDLE 14
      |||||
Db      63 VPDLE 67
```

```
RESULT 20
US-11-072-512-3903
; Sequence 3903, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512

QY      10 VPDLE 14
      |||||
Db      63 VPDLE 67

RESULT 21
US-11-072-512-1552
; Sequence 1552, Application US/10821234
```

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Query Match      31.2%; Score 5; DB 7; Length 169;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 DLELP 16
      |||||
Db      27 DLELP 31
```

```
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1552
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1552

Query Match          31.2%; Score 5; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
Db      27 DLELP 31

RESULT 22
US-11-182-016-42
; Sequence 42, Application US/11182016
; Publication No. US20060019294A1
; GENERAL INFORMATION:
; APPLICANT: SUGEN, INC.
; TITLE OF INVENTION: TYROSINE KINASE SUBSTRATE (TKS) PROTEINS
; FILE REFERENCE: 038602/0102
; CURRENT APPLICATION NUMBER: US/11/182,016
; CURRENT FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US/09/958,359
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: tiam
US-11-182-016-42

Query Match          31.2%; Score 5; DB 7; Length 203;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
Db      72 VPDLE 76

RESULT 23
US-10-454-437-26
; Sequence 26, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CPCN
```

```
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 26
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-26

Query Match          31.2%; Score 5; DB 6; Length 205;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLEL 15
Db      92 PDLEL 96

RESULT 24
US-10-467-657-6890
; Sequence 6890, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON Spa
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6890
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6890

Query Match          31.2%; Score 5; DB 6; Length 209;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDL 13
Db      48 AVPDL 52

RESULT 25
```

```
US-10-467-657-5368
; Sequence 5368, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 5368
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5368

Query Match      31.2%; Score 5; DB 6; Length 236;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 LPKSE 7
      |||||
Db      49 LPKSE 53

RESULT 26
US-10-995-561-601
; Sequence 601, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 601
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-601

Query Match      31.2%; Score 5; DB 6; Length 252;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
      |||||
Db      163 SLPKS 167

RESULT 27
US-11-098-686-11106
; Sequence 11106, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
```

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; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11106
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-11106

Query Match      31.2%; Score 5; DB 7; Length 252;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      238 DLELP 242

RESULT 28
US-10-724-598-14
; Sequence 14, Application US/10724598
; Publication No. US20060019352A1
; GENERAL INFORMATION:
; APPLICANT: BLANCHE, FRANCIS; CAMERON, BEATRICE; CROUZET,
; JOEL; DEBUSSCHE, LAURENT; LEVCY SCHIL, SOPHIE;
; THIBAUT, DENIS
; TITLE OF INVENTION: POLYPEPTIDES INVOLVED IN THE
; BIOSYNTHESIS OF COBALAMINS AND/OR COBAMIDES, DNA SEQUENCES
; CODING FOR THESE POLYPEPTIDES, PREPARATION METHOD AND THEIR
; USE.
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 555 13TH STREET, N.W.
; CITY: WASHINGTON
; STATE: DISTRICT OF COLUMBIA
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/724,598
; FILING DATE: 01-Dec-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,151
; FILING DATE: 14-SEP-1992
; APPLICATION NUMBER: PCT/FR91/00054
; FILING DATE: 30-JAN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: F. F. CALVETTI
; REGISTRATION NUMBER: 28,557
; REFERENCE/DOCKET NUMBER: 1290-7213
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 857-7887
; TELEFAX: (202) 857-7929
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 261 amino acids
; TYPE: Amino Acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: No
; ORIGINAL SOURCE:
; ORGANISM: Pseudomonas denitrificans
; STRAIN: <Unknown>
; INDIVIDUAL ISOLATE: <Unknown>
```

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;
; DEVELOPMENTAL STAGE: <Unknown>
; HAPLOTYPE: <Unknown>
; TISSUE TYPE: <Unknown>
; CELL TYPE: <Unknown>
; CELL LINE: <Unknown>
; ORGANELLE: <Unknown>
; FEATURE:
; NAME/KEY: COBF
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: Translation product of SEQ ID NO:13
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-724-598-14

Query Match          31.2%; Score 5; DB 6; Length 261;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 EFAVP 11
Db      69 EFAVP 73

RESULT 29
US-10-983-120-13
; Sequence 13, Application US/10983120
; Publication No. US20060024683A1
; GENERAL INFORMATION:
; APPLICANT: Masternak, Krzyztof
; APPLICANT: Reith, Walter
; APPLICANT: Mach, Bernard
; TITLE OF INVENTION: NEW TRANSCRIPTION FACTOR OF MHC CLASS II GENES,
; TITLE OF INVENTION: SUBSTANCES CAPABLE OF INHIBITING THIS NEW
; TITLE OF INVENTION: TRANSCRIPTION FACTOR AND MEDICAL USES OF THESE SUBSTANCES
; FILE REFERENCE: 23135-510 CON
; CURRENT APPLICATION NUMBER: US/10/983,120
; CURRENT FILING DATE: 2004-11-05
; PRIOR APPLICATION NUMBER: US/09/840,243
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 98120085.0
; PRIOR FILING DATE: 1998-10-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Murinae gen. sp.
US-10-983-120-13

Query Match          31.2%; Score 5; DB 6; Length 269;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      18 VPDLE 22

RESULT 30
US-11-098-686-10898
; Sequence 10898, Application US/11098686
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; PRIOR FILING DATE: 2002-10-04
,
```

```

; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10898
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-10898

Query Match          31.2%; Score 5; DB 7; Length 270;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 LPKSE 7
Db      78 LPKSE 82

RESULT 31
US-11-207-626A-24
; Sequence 24, Application US/11207626A
; Publication No. US20060014276A1
; GENERAL INFORMATION:
; APPLICANT: Havenga, Menzo
; APPLICANT: Vogels, Ronald
; APPLICANT: Bout, Abraham
; TITLE OF INVENTION: CHIMERIC ADENOVIRUSES
; FILE REFERENCE: 2578-4123.2US
; CURRENT APPLICATION NUMBER: US/11/207,626A
; CURRENT FILING DATE: 2005-08-18
; PRIOR APPLICATION NUMBER: EP 98202297.2
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 24
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Human Adenovirus 29 Fiber Protein
US-11-207-626A-24

Query Match          31.2%; Score 5; DB 7; Length 343;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      221 SLPKS 225

RESULT 32
US-10-714-887-26
; Sequence 26, Application US/10714887
; Publication No. US20060015972A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: HEARD, Jacqueline
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: CREELMAN, Robert
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: CANALES, Roger
; APPLICANT: REPETTI, Peter
; APPLICANT: KUMIMOTO, Roderick W
; APPLICANT: GUTTERSON, Neal
; APPLICANT: REUBER, T. Lynne
; APPLICANT: PINEDA, Omaira
; APPLICANT: SHERMAN, Bradley K
; TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
; FILE REFERENCE: MBI0058-CIP
; CURRENT APPLICATION NUMBER: US/10/714,887
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: 10/412,699
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
,
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; PRIOR APPLICATION NUMBER: 60/135,134
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 60/125,814
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G592 polypeptide Paralogous to G3086
US-10-714-887-26

Query Match          31.2%; Score 5; DB 6; Length 359;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
      |||||
Db      251 SLPKS 255

RESULT 33
US-10-995-561-602
; Sequence 602, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 602
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-602

Query Match          31.2%; Score 5; DB 6; Length 363;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
      |||||
Db      163 SLPKS 167

RESULT 34
US-10-714-887-16
; Sequence 16, Application US/10714887
; Publication No. US20060015972A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: HEARD, Jacqueline
; APPLICANT: RIECHMANN, Jose Luis
```

```

; APPLICANT: CREELMAN, Robert
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: CANALES, Roger
; APPLICANT: REPETTI, Peter
; APPLICANT: KUMIMOTO, Roderick W
; APPLICANT: GUTTERSON, Neal
; APPLICANT: REUBER, T. Lynne
; APPLICANT: PINEDA, Omaira
; APPLICANT: SHERMAN, Bradley K
; TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
; FILE REFERENCE: MBI0058-CIP
; CURRENT APPLICATION NUMBER: US/10/714,887
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: 10/412,699
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/135,134
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 60/125,814
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G3086 polypeptide reference sequence; clade identifier
US-10-714-887-16

Query Match          31.2%; Score 5; DB 6; Length 379;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
      |||||
Db      284 SLPKS 288

RESULT 35
US-11-207-626A-25
; Sequence 25, Application US/11207626A
; Publication No. US20060014276A1
; GENERAL INFORMATION:
; APPLICANT: Havenga, Menzo
; APPLICANT: Vogels, Ronald
; APPLICANT: Bout, Abraham
; TITLE OF INVENTION: CHIMERIC ADENOVIRUSES
; FILE REFERENCE: 2578-4123.2US
; CURRENT APPLICATION NUMBER: US/11/207,626A
; CURRENT FILING DATE: 2005-08-18
; PRIOR APPLICATION NUMBER: EP 98202297.2
; PRIOR FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Human Adenovirus 30 Fiber Protein
```



;  
; FEATURE: misc feature  
; NAME/KEY: (23)..(97)  
; LOCATION: (23)..(97)  
; OTHER INFORMATION: Xaa Can be any amino acid  
;  
; FEATURE: misc feature  
; NAME/KEY: (23)..(23)  
; LOCATION: (23)..(23)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
;  
; FEATURE: misc feature  
; NAME/KEY: (43)..(43)  
; LOCATION: (43)..(43)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
;  
; FEATURE: misc feature  
; NAME/KEY: (49)..(49)  
; LOCATION: (49)..(49)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
;  
; FEATURE: misc feature  
; NAME/KEY: (97)..(97)  
; LOCATION: (97)..(97)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
;  
; FEATURE: misc feature  
; NAME/KEY: (152)..(152)  
; LOCATION: (152)..(152)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
;  
; FEATURE: misc feature  
; NAME/KEY: (186)..(186)  
; LOCATION: (186)..(186)  
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
;  
US-11-207-626A-25

Query Match 31.2%; Score 5; DB 7; Length 385;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6  
|||  
Db 257 SLPKS 261

RESULT 36  
US-10-793-626-1422  
; Sequence 1422, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PU3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1422  
; LENGTH: 390  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: amino acid sequence  
US-10-793-626-1422

Query Match 31.2%; Score 5; DB 6; Length 390;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6  
|||  
Db 148 SLPKS 152

RESULT 37  
US-10-467-657-3024

; Sequence 3024, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON Spa  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 3024  
; LENGTH: 410  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-3024

Query Match 31.2%; Score 5; DB 6; Length 410;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15  
|||  
Db 405 PDLEL 409

RESULT 38  
US-10-793-626-368  
; Sequence 368, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PU3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 368  
; LENGTH: 412  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: amino acid sequence  
US-10-793-626-368

Query Match 31.2%; Score 5; DB 6; Length 412;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6  
|||  
Db 71 SLPKS 75

RESULT 39  
US-10-485-517-419  
; Sequence 419, Application US/10485517  
; Publication No. US20050256299A1  
; GENERAL INFORMATION:  
; APPLICANT: University of Sheffield  
; APPLICANT: Biosynexus Incorporated  
; APPLICANT: Foster, Simon  
; TITLE OF INVENTION: Antigenic Polypeptides

; FILE REFERENCE: P100629WO  
; CURRENT APPLICATION NUMBER: US/10/485,517  
; CURRENT FILING DATE: 2004-02-02  
; PRIOR APPLICATION NUMBER: GB 0118825.9  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: GB 0200349.9  
; PRIOR FILING DATE: 2002-01-09  
; NUMBER OF SEQ ID NOS: 424  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 419  
; LENGTH: 417  
; TYPE: PRT  
; ORGANISM: Staphylococcus epidermidis  
US-10-485-517-419

Query Match 31.2%; Score 5; DB 6; Length 417;  
Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
|||||  
Db 180 SLPKS 184

RESULT 40

US-10-858-730-3  
; Sequence 3, Application US/10858730  
; Publication No. US20050255568A1.  
; GENERAL INFORMATION:  
; APPLICANT: Bailey, Richard B.  
; APPLICANT: Blomquist, Paul  
; APPLICANT: Doten, Reed  
; APPLICANT: Driggers, Edward M.  
; APPLICANT: Madden, Kevin T.  
; APPLICANT: O'Leary, Jessica  
; APPLICANT: O'Toole, George  
; APPLICANT: Trueheart, Joshua  
; APPLICANT: Walbridge, Michael J.  
; APPLICANT: Yorgey, Peter S.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID  
; TITLE OF INVENTION: PRODUCTION  
; FILE REFERENCE: 14184-030001  
; CURRENT APPLICATION NUMBER: US/10/858,730  
; CURRENT FILING DATE: 2004-06-01  
; PRIOR APPLICATION NUMBER: US 60/475,000  
; PRIOR FILING DATE: 2003-05-30  
; PRIOR APPLICATION NUMBER: US 60/551,860  
; PRIOR FILING DATE: 2004-03-10  
; NUMBER OF SEQ ID NOS: 364  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 425  
; TYPE: PRT  
; ORGANISM: Streptomyces coelicolor  
US-10-858-730-3

Query Match 31.2%; Score 5; DB 6; Length 425;  
Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 LPKSE 7  
|||||  
Db 317 LPKSE 321

RESULT 41

US-10-793-626-1474  
; Sequence 1474, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PU3480US

; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1474  
; LENGTH: 431  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: amino acid sequence  
US-10-793-626-1474

Query Match 31.2%; Score 5; DB 6; Length 431;  
Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YSLPK 5  
|||||  
Db 141 YSLPK 145

RESULT 42

US-10-131-826A-378  
; Sequence 378, Application US/10131826A  
; Publication No. US20050245730A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3330R1C128  
; CURRENT APPLICATION NUMBER: US/10/131,826A  
; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 378  
; LENGTH: 450  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-131-826A-378

Query Match 31.2%; Score 5; DB 6; Length 450;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLE 14  
|||||  
Db 77 VPDLE 81

RESULT 43

US-10-986-501-110  
; Sequence 110, Application US/10986501  
; Publication No. US20050244845A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 90 Human Secreted Proteins

; FILE REFERENCE: P2013P2C1  
; CURRENT APPLICATION NUMBER: US/10/986,501  
; CURRENT FILING DATE: 2004-11-12  
; PRIOR APPLICATION NUMBER: US/10/621,363  
; PRIOR FILING DATE: 2003-07-18  
; PRIOR APPLICATION NUMBER: 09/969,730  
; PRIOR FILING DATE: 2001-10-06  
; PRIOR APPLICATION NUMBER: 09/774,639  
; PRIOR FILING DATE: 2001-02-01  
; PRIOR APPLICATION NUMBER: 60/238,291  
; PRIOR FILING DATE: 2000-10-06  
; PRIOR APPLICATION NUMBER: 09/244,112  
; PRIOR FILING DATE: 1999-02-04  
; PRIOR APPLICATION NUMBER: PCT/US98/16235  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/056,371  
; PRIOR FILING DATE: 1997-08-19  
; PRIOR APPLICATION NUMBER: 60/056,732  
; PRIOR FILING DATE: 1997-08-19  
; PRIOR APPLICATION NUMBER: 60/056,366  
; PRIOR FILING DATE: 1997-08-19  
; PRIOR APPLICATION NUMBER: 60/056,364  
; PRIOR FILING DATE: 1997-08-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 373  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 110  
; LENGTH: 457  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (84)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (169)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-986-501-110

Query Match 31.2%; Score 5; DB 6; Length 457;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15  
|||||  
Db 272 PDLEL 276

RESULT 44

US-10-454-437-124

; Sequence 124, Application US/10454437  
; Publication No. US20050277115A1  
; GENERAL INFORMATION:  
; APPLICANT: Pompejus, Markus  
; APPLICANT: Kroger, Burkhard  
; APPLICANT: Schroder, Hartwig  
; APPLICANT: Zelder, Oskar  
; APPLICANT: Haberhauer, Gregor  
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS  
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION  
; FILE REFERENCE: BGI-128CPCN  
; CURRENT APPLICATION NUMBER: US/10/454,437  
; CURRENT FILING DATE: 2003-06-13  
; PRIOR APPLICATION NUMBER: US 60/141031  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: DE 19931636.8  
; PRIOR FILING DATE: 1999-07-08  
; PRIOR APPLICATION NUMBER: DE 19932125.6  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932126.4  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932127.2  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932128.0  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932129.9  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: DE 19932226.0  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932920.6  
; PRIOR FILING DATE: 1999-07-14  
; PRIOR APPLICATION NUMBER: DE 19932922.2  
; PRIOR FILING DATE: 1999-07-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 442  
; SEQ ID NO 124  
; LENGTH: 458  
; TYPE: PRT  
; ORGANISM: Corynebacterium glutamicum  
US-10-454-437-124

Query Match 31.2%; Score 5; DB 6; Length 458;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16  
|||||  
Db 446 DLELP 450

RESULT 45

US-10-984-376-3  
; Sequence 3, Application US/10984376  
; Publication No. US20050244436A1  
; GENERAL INFORMATION:  
; APPLICANT: GIULIANI, Marzia Monica  
; APPLICANT: PIZZA, Mariagrazia  
; APPLICANT: RAPPUOLI, Rino  
; TITLE OF INVENTION: COMBINATION NEISSERIAL COMPOSITIONS  
; FILE REFERENCE: 2300-1609.20  
; CURRENT APPLICATION NUMBER: US/10/984,376  
; CURRENT FILING DATE: 2004-11-09  
; PRIOR APPLICATION NUMBER: 09/979,263  
; PRIOR FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: PCT/IB00/00828  
; PRIOR FILING DATE: 2000-05-19  
; PRIOR APPLICATION NUMBER: GB 9911692.3  
; PRIOR FILING DATE: 1999-05-19  
; PRIOR APPLICATION NUMBER: GB 9919705.5  
; PRIOR FILING DATE: 1999-08-19  
; PRIOR APPLICATION NUMBER: GB 0005730.7  
; PRIOR FILING DATE: 2000-03-09  
; NUMBER OF SEQ ID NOS: 18

Query Match 31.2%; Score 5; DB 6; Length 457;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15  
|||||  
Db 272 PDLEL 276

; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 3  
; LENGTH: 497  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: representative ORF 268 protein  
US-10-984-376-3

Query Match 31.2%; Score 5; DB 6; Length 497;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 PKSEF 8  
|||||  
Db 249 PKSEF 253

RESULT 46  
US-11-072-512-2580  
; Sequence 2580, Application US/11072512  
; Publication No. US20060029945A1  
; GENERAL INFORMATION:

; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: ISONO, YUUKO  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI  
; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: Novel full length cDNA  
; FILE REFERENCE: 084335-0191  
; CURRENT APPLICATION NUMBER: US/11/072,512  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: US 60/350,978  
; PRIOR FILING DATE: 2002-01-25  
; PRIOR APPLICATION NUMBER: JP 2001-379298  
; PRIOR FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2580  
; LENGTH: 510  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-11-072-512-2580

Query Match 31.2%; Score 5; DB 7; Length 510;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLEL 15  
|||||  
Db 400 PDLEL 404

RESULT 47  
US-11-072-512-2140  
; Sequence 2140, Application US/11072512  
; Publication No. US20060029945A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU

; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: ISONO, YUUKO  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI  
; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: SEKI, NAOHIKO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: Novel full length cDNA  
; FILE REFERENCE: 084335-0191  
; CURRENT APPLICATION NUMBER: US/11/072,512  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: US 60/350,978  
; PRIOR FILING DATE: 2002-01-25  
; PRIOR APPLICATION NUMBER: JP 2001-379298  
; PRIOR FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2140  
; LENGTH: 543  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-072-512-2140

Query Match 31.2%; Score 5; DB 7; Length 543;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLEL 15  
|||||  
Db 86 PDLEL 90

RESULT 48  
US-11-065-943-63  
; Sequence 63, Application US/11065943  
; Publication No. US20050250131A1  
; GENERAL INFORMATION:  
; APPLICANT: JESTIN, JEAN-LUC  
; APPLICANT: VICHIER-GUERRE, SOPHIE  
; APPLICANT: FERRIS, STEPHANE  
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I  
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,  
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME  
; FILE REFERENCE: 266426US0XCIP  
; CURRENT APPLICATION NUMBER: US/11/065,943  
; CURRENT FILING DATE: 2005-02-25  
; PRIOR APPLICATION NUMBER: US 10/787,219  
; PRIOR FILING DATE: 2004-02-27  
; NUMBER OF SEQ ID NOS: 106  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 63  
; LENGTH: 545  
; TYPE: PRT  
; ORGANISM: Thermus aquaticus  
US-11-065-943-63

Query Match 31.2%; Score 5; DB 7; Length 545;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14  
|||||  
Db 441 VPDLE 445

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RESULT 49
US-11-065-943-65
; Sequence 65, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 65
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-65

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 50
US-11-065-943-67
; Sequence 67, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 67
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-67

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 51
US-11-065-943-69
; Sequence 69, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
```

```
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 69
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-69

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 52
US-11-065-943-71
; Sequence 71, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 71
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-71

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 53
US-11-065-943-73
; Sequence 73, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
```

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; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 73
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-73

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 54
US-11-065-943-75
; Sequence 75, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 75
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-75

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 55
US-11-065-943-77
; Sequence 77, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 77
; LENGTH: 545
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; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-77

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 56
US-11-065-943-79
; Sequence 79, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 79
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-79

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 57
US-11-065-943-81
; Sequence 81, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 81
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-81

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 58
US-11-065-943-83
; Sequence 83, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 83
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-83

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 59
US-11-065-943-85
; Sequence 85, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 85
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-85

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 60
```

```
US-11-065-943-87
; Sequence 87, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 87
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-87

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 61
US-11-065-943-89
; Sequence 89, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 89
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-89

Query Match      31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 62
US-11-065-943-91
; Sequence 91, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
```



```
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 91
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-91

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 63
US-11-065-943-93
; Sequence 93, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 93
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-93

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 64
US-11-065-943-95
; Sequence 95, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
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; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 95
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-95

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 65
US-11-065-943-97
; Sequence 97, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 97
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-97

Query Match          31.2%; Score 5; DB 7; Length 545;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      441 VPDLE 445

RESULT 66
US-11-065-943-99
; Sequence 99, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 99
; LENGTH: 545
; TYPE: PRT
; ORGANISM: Thermus aquaticus
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US-11-065-943-99

Query Match 31.2%; Score 5; DB 7; Length 545;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14  
Db 441 VPDLE 445

RESULT 67

US-10-467-657-234

; Sequence 234, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 234  
; LENGTH: 550  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-234

Query Match 31.2%; Score 5; DB 6; Length 550;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFA 9  
Db 262 KSEFA 266

RESULT 68

US-10-467-657-924

; Sequence 924, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SpA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWin99, version 1.04  
; SEQ ID NO 924  
; LENGTH: 550  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-924

Query Match 31.2%; Score 5; DB 6; Length 550;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 KSEFA 9

Db 262 KSEFA 266

RESULT 69

US-10-850-816-2  
; Sequence 2, Application US/10850816  
; Publication No. US20050260606A1  
; GENERAL INFORMATION:  
; APPLICANT: KERMEKCHIEV, MILKO B.  
; APPLICANT: BARNES, WAYNE M.  
; TITLE OF INVENTION: USE OF WHOLE BLOOD IN PCR REACTIONS  
; FILE REFERENCE: 60019630-0046  
; CURRENT APPLICATION NUMBER: US/10/850,816  
; CURRENT FILING DATE: 2004-05-20  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 3.2  
; SEQ ID NO 2  
; LENGTH: 554  
; TYPE: PRT  
; ORGANISM: Thermus aquaticus  
US-10-850-816-2

Query Match 31.2%; Score 5; DB 6; Length 554;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14  
Db 452 VPDLE 456

RESULT 70

US-10-850-816-4

; Sequence 4, Application US/10850816  
; Publication No. US20050260606A1  
; GENERAL INFORMATION:  
; APPLICANT: KERMEKCHIEV, MILKO B.  
; APPLICANT: BARNES, WAYNE M.  
; TITLE OF INVENTION: USE OF WHOLE BLOOD IN PCR REACTIONS  
; FILE REFERENCE: 60019630-0046  
; CURRENT APPLICATION NUMBER: US/10/850,816  
; CURRENT FILING DATE: 2004-05-20  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 3.2  
; SEQ ID NO 4  
; LENGTH: 554  
; TYPE: PRT  
; ORGANISM: Thermus aquaticus  
US-10-850-816-4

Query Match 31.2%; Score 5; DB 6; Length 554;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 VPDLE 14  
Db 452 VPDLE 456

RESULT 71

US-10-850-816-6

; Sequence 6, Application US/10850816  
; Publication No. US20050260606A1  
; GENERAL INFORMATION:  
; APPLICANT: KERMEKCHIEV, MILKO B.  
; APPLICANT: BARNES, WAYNE M.  
; TITLE OF INVENTION: USE OF WHOLE BLOOD IN PCR REACTIONS  
; FILE REFERENCE: 60019630-0046  
; CURRENT APPLICATION NUMBER: US/10/850,816  
; CURRENT FILING DATE: 2004-05-20  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 3.2

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; SEQ ID NO 6
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-10-850-816-6

Query Match      31.2%; Score 5; DB 6; Length 554;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      452 VPDLE 456

RESULT 72
US-11-065-943-20
; Sequence 20, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-20

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 73
US-11-065-943-22
; Sequence 22, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-22

Query Match      31.2%; Score 5; DB 7; Length 562;
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 74
US-11-065-943-26
; Sequence 26, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 26
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-26

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 75
US-11-065-943-28
; Sequence 28, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-28

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      453 VPDLE 457

RESULT 76
US-11-065-943-30
; Sequence 30, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 30
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-30

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
RESULT 76
US-11-065-943-30
; Sequence 30, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 30
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-30

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      453 VPDLE 457

RESULT 77
US-11-065-943-32
; Sequence 32, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 32
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-32

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      453 VPDLE 457

RESULT 78
US-11-065-943-34
; Sequence 34, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
```

```
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 34
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-34

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      453 VPDLE 457

RESULT 79
US-11-065-943-36
; Sequence 36, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-36

Query Match      31.2%; Score 5; DB 7; Length 562;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLE 14
      |||||
Db      453 VPDLE 457

RESULT 80
US-11-065-943-38
; Sequence 38, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
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; CURRENT FILING DATE: 2005-02-25  
; PRIOR APPLICATION NUMBER: US 10/787,219  
; PRIOR FILING DATE: 2004-02-27  
; NUMBER OF SEQ ID NOS: 106  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 38  
; LENGTH: 562  
; TYPE: PRT  
; ORGANISM: Thermus aquaticus  
US-11-065-943-38

Query Match 31.2%; Score 5; DB 7; Length 562;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLE 14  
| | | | |  
Db 453 VPDLE 457

RESULT 81  
US-11-072-512-2385  
; Sequence 2385, Application US/11072512  
; Publication No. US20060029945A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: ISONO, YUUKO  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI  
; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: SEKI, NAOHIKO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: Novel full length cDNA  
; FILE REFERENCE: 084335-0191  
; CURRENT APPLICATION NUMBER: US/11/072,512  
; CURRENT FILING DATE: 2005-03-07  
; PRIOR APPLICATION NUMBER: US 60/350,978  
; PRIOR FILING DATE: 2002-01-25  
; PRIOR APPLICATION NUMBER: JP 2001-379298  
; PRIOR FILING DATE: 2001-11-05  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2385  
; LENGTH: 641  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-072-512-2385

Query Match 31.2%; Score 5; DB 7; Length 641;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15  
| | | | |  
Db 77 PDLEL 81

RESULT 82  
US-10-131-826A-350  
; Sequence 350, Application US/10131826A  
; Publication No. US20050245730A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P330R1C128  
; CURRENT APPLICATION NUMBER: US/10/131,826A  
; CURRENT FILING DATE: 2002-04-24  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; PRIOR APPLICATION NUMBER: 60/059588  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 350  
; LENGTH: 660  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-131-826A-350

Query Match 31.2%; Score 5; DB 6; Length 660;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 VPDLE 14  
| | | | |  
Db 652 VPDLE 656

RESULT 83  
US-11-072-512-3785  
; Sequence 3785, Application US/11072512  
; Publication No. US20060029945A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: ISONO, YUUKO  
; APPLICANT: HIO, YURI

```

; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cdna
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3785
; LENGTH: 697
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3785

Query Match          31.2%; Score 5; DB 7; Length 697;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          9 AVPDL 13
           |||||
Db          254 AVPDL 258

RESULT 84
US-10-793-626-2388
; Sequence 2388, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2388
; LENGTH: 698
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2388

Query Match          31.2%; Score 5; DB 6; Length 698;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          12 DLELP 16
           |||||
Db          299 DLELP 303

RESULT 85
US-10-467-657-1442
; Sequence 1442, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
```

```

; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1442
; LENGTH: 728
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1442

Query Match          31.2%; Score 5; DB 6; Length 728;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          9 AVPDL 13
           |||||
Db          346 AVPDL 350

RESULT 86
US-10-467-657-6266
; Sequence 6266, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 6266
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6266

Query Match          31.2%; Score 5; DB 6; Length 741;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          8 FAVPD 12
           |||||
Db          106 FAVPD 110

RESULT 87
US-11-072-512-2050
; Sequence 2050, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
```

```
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAHIO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; PRIOR FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 2050
; LENGTH: 816
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2050

Query Match      31.2%; Score 5; DB 7; Length 816;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      236 DLELP 240

RESULT 88
US-11-065-943-100
; Sequence 100, Application US/11065943
; Publication No. US20050250131A1
; GENERAL INFORMATION:
; APPLICANT: JESTIN, JEAN-LUC
; APPLICANT: VICHIER-GUERRE, SOPHIE
; APPLICANT: FERRIS, STEPHANE
; TITLE OF INVENTION: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I
; TITLE OF INVENTION: VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES,
; TITLE OF INVENTION: METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME
; FILE REFERENCE: 266426US0XCIP
; CURRENT APPLICATION NUMBER: US/11/065,943
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 10/787,219
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 106
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 100
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-065-943-100

Query Match      31.2%; Score 5; DB 7; Length 832;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      730 VPDLE 734

RESULT 89
US-11-007-797A-11
; Sequence 11, Application US/11007797A
; Publication No. US20050260614A1
; GENERAL INFORMATION:
; APPLICANT: VisiGen Biotechnologies, Inc.
```

```
; TITLE OF INVENTION: REAL-TIME SEQUENCE DETERMINATION
; FILE REFERENCE: 00007/01PCT
; CURRENT APPLICATION NUMBER: US/11/007,797A
; CURRENT FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: 60/216594
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-007-797A-11

Query Match      31.2%; Score 5; DB 7; Length 832;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      730 VPDLE 734

RESULT 90
US-11-007-642B-11
; Sequence 11, Application US/11007642B
; Publication No. US20050266424A1
; GENERAL INFORMATION:
; APPLICANT: VisiGen Biotechnologies, Inc.
; TITLE OF INVENTION: REAL-TIME SEQUENCE DETERMINATION
; FILE REFERENCE: 00007/01PCT
; CURRENT APPLICATION NUMBER: US/11/007,642B
; CURRENT FILING DATE: 2004-12-08
; PRIOR APPLICATION NUMBER: 60/216594
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 832
; TYPE: PRT
; ORGANISM: Thermus aquaticus
US-11-007-642B-11

Query Match      31.2%; Score 5; DB 7; Length 832;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
      |||||
Db      730 VPDLE 734

RESULT 91
US-10-467-657-4290
; Sequence 4290, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4290
; LENGTH: 924
; TYPE: PRT
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```
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4290

Query Match          31.2%; Score 5; DB 6; Length 924;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KSEFA 9
      |||||
Db      570 KSEFA 574

RESULT 92
US-11-016-706-40
; Sequence 40, Application US/11016706
; Publication No. US20050244334A1
; GENERAL INFORMATION:
; APPLICANT: CASTILLO, GERARDO
; APPLICANT: LAKE, THOMAS P.
; APPLICANT: NGUYEN, BETH P.
; APPLICANT: SANDERS, VIRGINIA J.
; APPLICANT: SNOW, ALAN D.
; TITLE OF INVENTION: SMALL PEPTIDES FOR THE TREATMENT OF ALZHEIMER'S DISEASE AND
; TITLE OF INVENTION: OTHER BETA-AMYLOID PROTEIN FIBRILLOGENESIS DISORDERS
; FILE REFERENCE: PROTEO.P03CI3
; CURRENT APPLICATION NUMBER: US/11/016,706
; CURRENT FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 09/962,955
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/938,275
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 08/947,057
; PRIOR FILING DATE: 1997-10-08
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 40
; LENGTH: 956
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-016-706-40

Query Match          31.2%; Score 5; DB 7; Length 956;
Best Local Similarity 100.0%; Pred.No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
      |||||
Db      883 SLPKS 887

RESULT 93
US-10-131-826A-198
; Sequence 198, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 198
; LENGTH: 1024
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-198

Query Match          31.2%; Score 5; DB 6; Length 1024;
Best Local Similarity 100.0%; Pred.No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YSLPK 5
      |||||
Db      388 YSLPK 392

RESULT 94
US-11-024-959-483
; Sequence 483, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 483
; LENGTH: 1214
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-483

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; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
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; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
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US-10-995-561-600

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; Publication No. US20050289657A1
; GENERAL INFORMATION:
; APPLICANT: Evotec NeuroSciences GmbH
; TITLE OF INVENTION: Diagnostic and therapeutic use of an ATP-binding
; TITLE OF INVENTION: cassette gene and protein for neurodegenerative

; TITLE OF INVENTION: diseases
; FILE REFERENCE: P67818US1
; CURRENT APPLICATION NUMBER: US/10/511,545
; CURRENT FILING DATE: 2004-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn ver. 2.1
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; Publication No. US20050282750A1
; GENERAL INFORMATION:
; APPLICANT: Schwartz, Daniel
; APPLICANT: Duncan, Keith
; APPLICANT: Bailey, Kathy
; APPLICANT: Kane, John
; APPLICANT: Ishida, Brian
; TITLE OF INVENTION: Treatment for Dark Adaptation
; FILE REFERENCE: HO-P02351US5
; CURRENT APPLICATION NUMBER: US/11/055,309A
; CURRENT FILING DATE: 2005-01-10
; PRIOR APPLICATION NUMBER: US 10/428,551
; PRIOR FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: US 10/313,641
; PRIOR FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: US 60/340,498
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: US 60/415,864
; PRIOR FILING DATE: 2002-10-03
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; TYPE: PRT
; ORGANISM: HUMAN
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; Publication No. US20050282750A1
; GENERAL INFORMATION:
; APPLICANT: Schwartz, Daniel
; APPLICANT: Duncan, Keith
; APPLICANT: Bailey, Kathy
; APPLICANT: Kane, John
; APPLICANT: Ishida, Brian
; TITLE OF INVENTION: Treatment for Dark Adaptation
; FILE REFERENCE: HO-P02351US5
; CURRENT APPLICATION NUMBER: US/11/055,309A
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; CURRENT FILING DATE: 2005-01-10
; PRIOR APPLICATION NUMBER: US 10/428,551
; PRIOR FILING DATE: 2003-05-02
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; PRIOR FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: US 60/340,498
; PRIOR FILING DATE: 2001-12-07
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; PRIOR FILING DATE: 2002-10-03
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; ORGANISM: HUMAN
US-11-055-309A-10

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; Sequence 142, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
; APPLICANT: Sachdeva, et al.
; TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
; FILE REFERENCE: 30853/40359A
; CURRENT APPLICATION NUMBER: US/11/052,554A
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: US 60/589,227
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: IN 173/DEL/2004
; PRIOR FILING DATE: 2004-02-06
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; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-142

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

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Perfect score: 16  
Sequence: 1 YSLPKSEFAVPDLPL 16

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Searched: 572060 seqs, 82675679 residues

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Minimum DB seq length: 0  
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Post-processing: Listing first 150 summaries

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and is derived by analysis of the total score distribution.

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5	6	37.5	151	2	US-09-605-703B-2140
6	6	37.5	219	2	US-09-248-796A-16515
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15	6	37.5	330	2	US-10-155-435-10
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127 5 31.2 198 2 US-09-270-767-48602 Sequence 48602, A  
128 5 31.2 199 2 US-09-902-540-10589 Sequence 10589, A  
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131 5 31.2 207 1 US-08-808-550-36 Sequence 36, Appl  
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135 5 31.2 211 2 US-09-489-039A-9229 Sequence 9229, Ap  
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137 5 31.2 213 2 US-09-248-796A-26548 Sequence 26548, A  
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ALIGNMENTS

RESULT 1  
US-09-183-841-2  
; Sequence 2, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: His tag at residues 1 to 17

; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: amino acid  
; OTHER INFORMATION: sequence of GM2 protein using His6 tag  
US-09-183-841-2  
  
Query Match 50.0%; Score 8; DB 2; Length 178;  
Best Local Similarity 100.0%; Pred.No. 0.38;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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; Sequence 1, Application US/09183841  
; Patent No. 6423680  
; GENERAL INFORMATION:  
; APPLICANT: Hospital for Sick Children  
; TITLE OF INVENTION: A No. 6423680el Inhibitor of Platelet Activating Factor  
; FILE REFERENCE: vanz0010  
; CURRENT APPLICATION NUMBER: US/09/183,841  
; CURRENT FILING DATE: 1998-10-30  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.0  
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; LENGTH: 193  
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; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: (33)..(55)  
; FEATURE:  
; OTHER INFORMATION: residues 56-63 are included in a further precursor  
; OTHER INFORMATION: form of the protein  
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Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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RESULT 3  
US-09-270-767-62426  
; Sequence 62426, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 62426  
; LENGTH: 55  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; FEATURE:  
; OTHER INFORMATION: Xaa means any amino acid  
US-09-270-767-62426  
  
Query Match 37.5%; Score 6; DB 2; Length 55;  
Best Local Similarity 100.0%; Pred.No. 16;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 2 SLPKSE 7  
|||||

Db 32 SLPKSE 37

RESULT 4

US-09-489-039A-14284

; Sequence 14284, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Breton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709.2004001

; CURRENT APPLICATION NUMBER: US/09/489,039A

; CURRENT FILING DATE: 2000-01-27

; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 14284

; LENGTH: 112

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-14284

Query Match 37.5%; Score 6; DB 2; Length 112;

Best Local Similarity 100.0%; Pred. No. 30;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 FAVPDL 13

Db 107 FAVPDL 112

RESULT 5

US-09-605-703B-2140

; Sequence 2140, Application US/09605703B

; Patent No. 6962989

; GENERAL INFORMATION:

; APPLICANT: Pompejus, Markus

; APPLICANT: Kroger, Burkhard

; APPLICANT: Schroder, Hartwig

; APPLICANT: Zelder, Oskar

; APPLICANT: Haberhauer, Gregor

; TITLE OF INVENTION: CORNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL

; TITLE OF INVENTION: PROTEINS

; FILE REFERENCE: BGI-129CP

; CURRENT APPLICATION NUMBER: US/09/605,703B

; CURRENT FILING DATE: 2000-06-27

; PRIOR APPLICATION NUMBER: 60/142,764

; PRIOR FILING DATE: 1999-07-08

; PRIOR APPLICATION NUMBER: 60/152,318

; PRIOR FILING DATE: 1999-09-03

; NUMBER OF SEQ ID NOS: 2934

; SEQ ID NO 2140

; LENGTH: 151

; TYPE: PRT

; ORGANISM: Corynebacterium glutamicum

US-09-605-703B-2140

Query Match 37.5%; Score 6; DB 2; Length 151;

Best Local Similarity 100.0%; Pred. No. 40;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 AVPDLE 14

Db 23 AVPDLE 28

RESULT 6

US-09-248-796A-16515

; Sequence 16515, Application US/09248796A

; Patent No. 6747137

; GENERAL INFORMATION:

; APPLICANT: Keith Weinstock et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN

; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.132

; CURRENT APPLICATION NUMBER: US/09/248,796A

; CURRENT FILING DATE: 1999-02-12

; PRIOR APPLICATION NUMBER: US 60/074,725

; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409

; PRIOR FILING DATE: 1998-08-13

; NUMBER OF SEQ ID NOS: 28208

; SEQ ID NO 16515

; LENGTH: 219

; TYPE: PRT

; ORGANISM: Candida albicans

US-09-248-796A-16515

Query Match 37.5%; Score 6; DB 2; Length 219;

Best Local Similarity 100.0%; Pred. No. 57;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 KSEFAV 10

Db 207 KSEFAV 212

RESULT 7

US-09-543-681A-7057

; Sequence 7057, Application US/09543681A

; Patent No. 6605709

; GENERAL INFORMATION:

; APPLICANT: GARY BRETON

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL

; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709.1002-001

; CURRENT APPLICATION NUMBER: US/09/543,681A

; CURRENT FILING DATE: 2000-04-05

; PRIOR APPLICATION NUMBER: US 60/128,706

; PRIOR FILING DATE: 1999-04-09

; NUMBER OF SEQ ID NOS: 8344

; SEQ ID NO 7057

; LENGTH: 223

; TYPE: PRT

; ORGANISM: Proteus mirabilis

US-09-543-681A-7057

Query Match 37.5%; Score 6; DB 2; Length 223;

Best Local Similarity 100.0%; Pred. No. 58;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 EFAVPD 12

Db 117 EFAVPD 122

RESULT 8

US-09-583-110-3681

; Sequence 3681, Application US/09583110

; Patent No. 6699703

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al.

; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics

; FILE REFERENCE: PATH00-07A

; CURRENT APPLICATION NUMBER: US/09/583,110

; CURRENT FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/107,433

; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: US 60/085,131

; PRIOR FILING DATE: 1998-05-12

; PRIOR APPLICATION NUMBER: US 60/051,553

; PRIOR FILING DATE: 1997-07-02

; NUMBER OF SEQ ID NOS: 5322

; SEQ ID NO 3681





```
; Sequence 8135, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 8135
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-8135

Query Match          37.5%; Score 6; DB 2; Length 258;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
      |||||
Db      165 SLPKSE 170

RESULT 12
US-09-107-433-4311
; Sequence 4311, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4311:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 284 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
```

```
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...284
; SEQUENCE DESCRIPTION: SEQ ID NO: 4311:
US-09-107-433-4311

Query Match          37.5%; Score 6; DB 2; Length 284;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 KSEFAV 10
      |||||
Db      74 KSEFAV 79

RESULT 13
US-09-902-540-13383
; Sequence 13383, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13383
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13383

Query Match          37.5%; Score 6; DB 2; Length 309;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PDLELP 16
      |||||
Db      55 PDLELP 60

RESULT 14
US-09-719-108-6
; Sequence 6, Application US/09719108
; Patent No. 6670527
; GENERAL INFORMATION:
; APPLICANT: Thomas, Stephen G
; APPLICANT: Hedden, Peter
; APPLICANT: Phillips, Andrew L
; TITLE OF INVENTION: Gibberellin 2-Oxidase
; FILE REFERENCE: 0623.0970000
; CURRENT APPLICATION NUMBER: US/09/719,108
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/GB99/01857
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: GB 9812821.8
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: GB 9815404.0
; PRIOR FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-719-108-6

Query Match          37.5%; Score 6; DB 2; Length 329;
```

Best Local Similarity 100.0%; Pred. No. 84; Mismatches 0; Indels 0; Gaps 0; Matches 6; Conservative 0;

Qy 2 SLPKSE 7  
| | | | |  
Db 66 SLPKSE 71

RESULT 15  
US-10-155-435-10  
; Sequence 10, Application US/10155435  
; Patent No. 6921849  
; GENERAL INFORMATION:  
; APPLICANT: Amasino, Richard M.  
; APPLICANT: Schomburg, Fritz M.  
; APPLICANT: Michaels, Scott D.  
; APPLICANT: Bizzell, Colleen M.  
; TITLE OF INVENTION: Dwarfism Genes and Dwarf Plants  
; FILE REFERENCE: 960296.97605  
; CURRENT APPLICATION NUMBER: US/10/155,435  
; CURRENT FILING DATE: 2002-05-23  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 10  
; LENGTH: 330  
; TYPE: PRT  
; ORGANISM: Arabidopsis  
US-10-155-435-10

Query Match 37.5%; Score 6; DB 2; Length 330;  
Best Local Similarity 100.0%; Pred. No. 84; Mismatches 0; Indels 0; Gaps 0; Matches 6; Conservative 0;

Qy 2 SLPKSE 7  
| | | | |  
Db 66 SLPKSE 71

RESULT 16  
US-09-270-767-42023  
; Sequence 42023, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 42023  
; LENGTH: 349  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-42023

Query Match 37.5%; Score 6; DB 2; Length 349;  
Best Local Similarity 100.0%; Pred. No. 88; Mismatches 0; Indels 0; Gaps 0; Matches 6; Conservative 0;

Qy 11 PDLELP 16  
| | | | |  
Db 200 PDLELP 205

RESULT 17  
US-09-270-767-46804  
; Sequence 46804, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 46804  
; LENGTH: 356  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; FEATURE:  
; OTHER INFORMATION: Xaa means any amino acid  
US-09-270-767-46804

Query Match 37.5%; Score 6; DB 2; Length 356;  
Best Local Similarity 100.0%; Pred. No. 90; Mismatches 0; Indels 0; Gaps 0; Matches 6; Conservative 0;

Qy 2 SLPKSE 7  
| | | | |  
Db 333 SLPKSE 338

RESULT 18  
US-09-252-991A-23441  
; Sequence 23441, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 23441  
; LENGTH: 473  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-23441

Query Match 37.5%; Score 6; DB 2; Length 473;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Mismatches 0; Indels 0; Gaps 0; Matches 6; Conservative 0;

Qy 9 AVPDLE 14  
| | | | |  
Db 256 AVPDLE 261

RESULT 19  
US-09-134-000C-5087  
; Sequence 5087, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5087  
; LENGTH: 534  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-5087

Query Match 37.5%; Score 6; DB 2; Length 534;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7  
|||||  
Db 1 SLPKSE 6

## RESULT 20

US-08-886-886-17  
; Sequence 17, Application US/08886886  
; Patent No. 6107068  
; GENERAL INFORMATION:  
; APPLICANT: Katz, Leonard  
; APPLICANT: Delcardayre, Stephen B.  
; APPLICANT: Davies, Julian E.  
; TITLE OF INVENTION: COENZYME A DISULFIDE REDUCTASE.  
; TITLE OF INVENTION: AND INHIBITORS THEREOF USEFUL AS ANTIMICROBIAL  
; TITLE OF INVENTION: AGENTS  
; NUMBER OF SEQUENCES: 40  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Abbott Laboratories  
; STREET: 100 Abbott Park Road  
; CITY: Abbott Park  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/886,886  
; FILING DATE: 02-JUL-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Casuto, Dianne  
; REGISTRATION NUMBER: 40,943  
; REFERENCE/DOCKET NUMBER: 6016.US.P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 847-938-3137  
; TELEFAX: 847-938-2623  
; TELEX:

## INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:  
; LENGTH: 537 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
US-08-886-886-17

Query Match 37.5%; Score 6; DB 2; Length 537;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16  
|||||  
Db 420 PDLELP 425

## RESULT 21

US-09-107-532A-5905  
; Sequence 5905, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 5905:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 547 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ORIGINAL SOURCE:  
; ORGANISM: Enterococcus faecium  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (B) LOCATION 1...547  
; SEQUENCE DESCRIPTION: SEQ ID NO: 5905:  
US-09-107-532A-5905

Query Match 37.5%; Score 6; DB 2; Length 547;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 PDLELP 16  
|||||  
Db 430 PDLELP 435

## RESULT 22

US-09-489-039A-14205  
; Sequence 14205, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 14205  
; LENGTH: 580  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-14205

```
Query Match          37.5%; Score 6; DB 2; Length 580;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSLPKS 6
      |||||
Db      92 YSLPKS 97

RESULT 23
US-09-252-991A-17616
; Sequence 17616, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17616
; LENGTH: 834
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17616

Query Match          37.5%; Score 6; DB 2; Length 834;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 AVPDLE 14
      |||||
Db      573 AVPDLE 578

RESULT 24
US-08-755-587-16
; Sequence 16, Application US/08755587
; Patent No. 6045997
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: identification and sequencing of the BRCA2 cancer
; TITLE OF INVENTION: susceptibility gene and uses thereof.
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,587
; FILING DATE: 25-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2329 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-755-587-16

Query Match          37.5%; Score 6; DB 2; Length 2329;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKSE 7
      |||||
Db      170 SLPKSE 175

RESULT 25
US-09-632-033B-3
; Sequence 3, Application US/09632033B
; Patent No. 6949624
; GENERAL INFORMATION:
; APPLICANT: Liu, Johnson M.
; APPLICANT: Wang, Jianxiang
; TITLE OF INVENTION: CLONING OF THE HUMAN NUCLEAR RECEPTOR
; TITLE OF INVENTION: CO-REPRESSOR GENE
; FILE REFERENCE: NIH172.001A
; CURRENT APPLICATION NUMBER: US/09/632,033B
; CURRENT FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: 60/146,977
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2440
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-632-033B-3

Query Match          37.5%; Score 6; DB 2; Length 2440;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 EFAVPD 12
      |||||
Db      37 EFAVPD 42

RESULT 26
US-09-949-016-9675
; Sequence 9675, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
```

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9675
; LENGTH: 2451
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9675

Query Match          37.5%; Score 6; DB 2; Length 2451;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 EFAVPD 12
      |||||
Db      48 EFAVPD 53

RESULT 27
US-09-632-033B-4
; Sequence 4, Application US/09632033B
; Patent No. 6949624
; GENERAL INFORMATION:
; APPLICANT: Liu, Johnson M.
; APPLICANT: Wang, Jianxiang
; TITLE OF INVENTION: CLONING OF THE HUMAN NUCLEAR RECEPTOR
; FILE REFERENCE: NIH172.001A
; CURRENT APPLICATION NUMBER: US/09/632,033B
; CURRENT FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: 60/146,977
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 2453
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-632-033B-4

Query Match          37.5%; Score 6; DB 2; Length 2453;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 EFAVPD 12
      |||||
Db      37 EFAVPD 42

RESULT 28
US-09-413-814-28
; Sequence 28, Application US/09413814
; Patent No. 6225064
; GENERAL INFORMATION:
; APPLICANT: Gesellschaft fuer Biotechnologische Forschung mbH
; APPLICANT: Bristol-Myers Squibb, Co.
; APPLICANT: Beyer, Stefan
; APPLICANT: Bloecker, Helmut
; APPLICANT: Brandt, Petra
; APPLICANT: Cino, Paul M
; APPLICANT: Dougherty, Brian A
; APPLICANT: Goldberg, Steven L
; APPLICANT: Hofle, Gerhard
; APPLICANT: Mueller, Joachim
; APPLICANT: Reichenbach, Hans
; TITLE OF INVENTION: DNA sequences for enzymatic synthesis of polyketide or
; TITLE OF INVENTION: heteropolyketide compounds
; FILE REFERENCE: PCT/US 99/23535
; CURRENT APPLICATION NUMBER: US/09/413,814
; CURRENT FILING DATE: 1999-10-07
; EARLIER APPLICATION NUMBER: DE 198 46 493.2
; EARLIER FILING DATE: 1998-10-09
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28

; LENGTH: 2618
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-09-413-814-28

Query Match          37.5%; Score 6; DB 2; Length 2618;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 VPDLEL 15
      |||||
Db      86 VPDLEL 91

RESULT 29
US-08-639-501-2
; Sequence 2, Application US/08639501
; Patent No. 5837492
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Kamb, Alexander
; APPLICANT: Simard, Jacques
; APPLICANT: Couch, Fergus
; APPLICANT: Rommens, Johanna
; APPLICANT: Weber, Barbara
; TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1001
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 22204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/639,501
; FILING DATE: 29-APR-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/585,391
; FILING DATE: 11-JAN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/576,559
; FILING DATE: 21-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/575,359
; FILING DATE: 20-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/573,779
; FILING DATE: 18-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-116802-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-639-501-2

Query Match          37.5%; Score 6; DB 1; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
```

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7  
|||||

Db 451 SLPKSE 456

RESULT 30  
US-08-603-753D-4  
; Sequence 4, Application US/08603753D  
; Patent No. 5891857  
; GENERAL INFORMATION:  
; APPLICANT: HOLT, JEFFREY T.  
; APPLICANT: JENSEN, ROY A.  
; APPLICANT: PAGE, DAVID L.  
; APPLICANT: KING, MARY-CLAIRE  
; APPLICANT: SZABO, CSILLA I.  
; APPLICANT: JETTON, THOMAS L.  
; APPLICANT: ROBINSON-BENION, CHERYL L.  
; APPLICANT: THOMPSON, MARILYN E.  
; TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2  
; TITLE OF INVENTION: PROTEINS AND SCREENING AND THERAPEUTIC METHODS BASED ON  
; TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2 PROTEINS.  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ARLES A. TAYLOR, JR.  
; STREET: SUITE 1401, UNIVERSITY TOWER, 3100 TOWER  
; STREET: BOULEVARD  
; CITY: DURHAM  
; STATE: NORTH CAROLINA  
; COUNTRY: USA  
; ZIP: 27707  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 800 kB storage  
; COMPUTER: IBM PC/XT/AT compatible  
; OPERATING SYSTEM: Windows 3.1  
; SOFTWARE: WORD PERFECT 6.1 and ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/603,753D  
; FILING DATE: 20 FEB 1996  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: U.S. 08/373,799  
; FILING DATE: 17 JAN 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: ARLES A. TAYLOR, JR.  
; REGISTRATION NUMBER: 39,395  
; REFERENCE/DOCKET NUMBER: 1242/2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (919) 493-8000  
; TELEFAX: (919) 419-0383  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3418  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: no  
; ANTI-SENSE: no  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens sapiens  
; INDIVIDUAL ISOLATE:  
; DEVELOPMENTAL STAGE: adult  
; TISSUE TYPE: female breast  
; CELL TYPE: normal breast tissue  
; CELL LINE: HMEC  
; ORGANELLE: no  
; FEATURE:  
; NAME/KEY: BRCA2 protein  
; LOCATION: 1 to 3418; Genbank locus HSU43746  
; IDENTIFICATION METHOD:

; OTHER INFORMATION: BRCA2 protein has a negative  
; OTHER INFORMATION: regulatory effect on growth of human mammary cells.  
; PUBLICATION INFORMATION:  
; AUTHORS: Wooster, R. et al.  
; TITLE: Identification of the breast cancer  
; TITLE: susceptibility gene BRCA2  
; JOURNAL: Nature  
; VOLUME: 379  
; PAGES: 789-792  
; DATE: 1995  
; RELEVANT RESIDUES IN SEQ ID NO: 4: granin box  
; RELEVANT RESIDUES IN SEQ ID NO: domain at amino acids 3334-3344  
US-08-603-753D-4

Query Match 37.5%; Score 6; DB 1; Length 3418;  
Best Local Similarity 100.0%; Pred. No. 7.5e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKSE 7  
|||||

Db 451 SLPKSE 456

RESULT 31  
US-09-044-946-2  
; Sequence 2, Application US/09044946  
; Patent No. 6033857  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Kamb, Alexander  
; APPLICANT: Simard, Jacques  
; APPLICANT: Couch, Fergus  
; APPLICANT: Rommens, Johanna  
; APPLICANT: Weber, Barbara  
; TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer  
; TITLE OF INVENTION: Susceptibility Gene  
; NUMBER OF SEQUENCES: 124  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti  
; STREET: 1201 New York Avenue N.W., Suite 1001  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 22204  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/044,946  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/639,501  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/576,559  
; FILING DATE: 21-DEC-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/575,359  
; FILING DATE: 20-DEC-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/573,779  
; FILING DATE: 18-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ihnen, Jeffrey L.  
; REGISTRATION NUMBER: 28,957  
; REFERENCE/DOCKET NUMBER: 24884-116802-04  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-962-4810  
; TELEFAX: 202-962-8300  
; INFORMATION FOR SEQ ID NO: 2:

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-044-946-2
Query Match 37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7
Db 451 SLPKSE 456

RESULT 32
US-08-755-587-44
; Sequence 44, Application US/08755587
; Patent No. 604597
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: identification and sequencing of the BRCA2 cancer
; TITLE OF INVENTION: susceptibility gene and uses thereof.
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,587
; FILING DATE: 25-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-755-587-44
Query Match 37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7
Db 451 SLPKSE 456

RESULT 33
US-09-044-908-2
; Sequence 2, Application US/09044908
; Patent No. 6124104
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Kamb, Alexander
; APPLICANT: Simard, Jacques
; APPLICANT: Couch, Fergus
; APPLICANT: Rommens, Johanna
; APPLICANT: Weber, Barbara
; TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1001
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 22204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/044,908
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/639,501
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/576,559
; FILING DATE: 21-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/575,359
; FILING DATE: 20-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/573,779
; FILING DATE: 18-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-116802-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3418 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-044-908-2
Query Match 37.5%; Score 6; DB 2; Length 3418;
Best Local Similarity 100.0%; Pred. No. 7.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKSE 7
Db 451 SLPKSE 456

RESULT 34
US-09-099-753-4
; Sequence 4, Application US/09099753
; Patent No. 6149903
; GENERAL INFORMATION:
; APPLICANT: HOLT, JEFFREY T.
; APPLICANT: JENSEN, ROY A.
```



APPLICANT: PAGE, DAVID L.  
APPLICANT: KING, MARY-CLAIRE  
APPLICANT: SZABO, CSILLA I.  
APPLICANT: JETTON, THOMAS L.  
APPLICANT: ROBINSON-BENION, CHERYL L.  
APPLICANT: THOMPSON, MARILYN E.  
TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2  
TITLE OF INVENTION: PROTEINS AND SCREENING AND THERAPEUTIC METHODS BASED ON  
TITLE OF INVENTION: CHARACTERIZED BRCA1 AND BRCA2 PROTEINS.  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ARLES A. TAYLOR, JR.  
STREET: SUITE 1401, UNIVERSITY TOWER, 3100 TOWER  
CITY: DURHAM  
STATE: NORTH CAROLINA  
COUNTRY: USA  
ZIP: 27707  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 800 kb storage  
COMPUTER: IBM PC/XT/AT compatible  
OPERATING SYSTEM: Windows 3.1  
SOFTWARE: WORD PERFECT 6.1 and ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/099,753  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/603,753  
FILING DATE: 20 FEB 1996  
APPLICATION NUMBER: U.S. 08/373,799  
FILING DATE: 17 JAN 1995  
ATTORNEY/AGENT INFORMATION:  
NAME: ARLES A. TAYLOR, JR.  
REGISTRATION NUMBER: 39,395  
REFERENCE/DOCKET NUMBER: 1242/2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (919) 493-8000  
TELEFAX: (919) 419-0383  
TELEX:  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3418  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: no  
ANTI-SENSE: no  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens sapiens  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE: adult  
TISSUE TYPE: female breast  
CELL TYPE: normal breast tissue  
CELL LINE: HMEC  
ORGANELLE: no  
FEATURE:  
NAME/KEY: BRCA2 protein  
LOCATION: 1 to 3418; Genbank locus HSU43746  
IDENTIFICATION METHOD:  
OTHER INFORMATION: BRCA2 protein has a negative  
OTHER INFORMATION: regulatory effect on growth of human mammary cells.  
PUBLICATION INFORMATION:  
AUTHORS: Wooster, R. et al.  
TITLE: Identification of the breast cancer  
TITLE: susceptibility gene BRCA2  
JOURNAL: Nature  
VOLUME: 379  
PAGES: 789-792  
DATE: 1995  
RELEVANT RESIDUES IN SEQ ID NO: 4: granin box  
RELEVANT RESIDUES IN SEQ ID NO: domain at amino acids 3334-3344

US-09-099-753-4  
Query Match 37.5%; Score 6; DB 2; Length 3418;  
Best Local Similarity 100.0%; Pred. No. 7.5e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 SLPKSE 7  
Db 451 SLPKSE 456  
RESULT 35  
US-08-986-106-4  
; Sequence 4, Application US/08986106  
; Patent No. 6177410  
; GENERAL INFORMATION:  
; APPLICANT: HOLT, JEFFREY T.  
; APPLICANT: JENSEN, ROY A.  
; APPLICANT: KING, MARY-CLAIRE  
; APPLICANT: STEINER, MITCHELL S.  
; APPLICANT: ROBINSON-BENION, CHERYL L.  
; APPLICANT: THOMPSON, MARILYN E.  
; TITLE OF INVENTION: THERAPEUTIC METHODS FOR  
; TITLE OF INVENTION: PROSTATE CANCER  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ARLES A. TAYLOR, JR.  
; STREET: SUITE 1401, UNIVERSITY TOWER, 3100 TOWER  
; STREET: BOULEVARD  
; CITY: DURHAM  
; STATE: NORTH CAROLINA  
; COUNTRY: USA  
; ZIP: 27707  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage  
; COMPUTER: IBM PC/XT/AT compatible  
; OPERATING SYSTEM: Windows 3.1  
; SOFTWARE: WORD PERFECT 6.1 and ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/986,106  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/603,753  
; FILING DATE: 20 FEB 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: ARLES A. TAYLOR, JR.  
; REGISTRATION NUMBER: 39,395  
; REFERENCE/DOCKET NUMBER: 1242/3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (919) 493-8000  
; TELEFAX: (919) 419-0383  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3418  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: unknown  
; FEATURE:  
; NAME/KEY: BRCA2 protein  
; PUBLICATION INFORMATION:  
; AUTHORS: Wooster, R. et al.  
; TITLE: Identification of the breast cancer  
; TITLE: susceptibility gene BRCA2  
; JOURNAL: Nature  
; VOLUME: 379  
; PAGES: 789-792  
; DATE: 1995  
; RELEVANT RESIDUES IN SEQ ID NO: 4: granin box domain at  
; RELEVANT RESIDUES IN SEQ ID NO: amino acids 3334-3344  
US-08-986-106-4

Query Match

37.5%; Score 6; DB 2; Length 3418;

Best Local Similarity 100.0%; Pred. No. 7.5e+02; Indels 0; Gaps 0; Matches 6; Conservative 0; Mismatches 0;

QY 2 SLPKSE 7  
|||||  
Db 451 SLPKSE 456

## RESULT 36

US-08-467-607-12  
; Sequence 12, Application US/08467607  
; Patent No. 5783434  
; GENERAL INFORMATION:  
; APPLICANT: TUNG, JAY S.  
; APPLICANT: SINHA, SUKANTO  
; APPLICANT: MCCONLOGUE, LISA  
; APPLICANT: TATSUNO, GWEN  
; APPLICANT: ANDERSON, JOHN  
; APPLICANT: CHRYSLER, SUSANNA  
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND  
; COMPOSITIONS FOR INHIBITION THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES  
; STREET: 800 F. Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,607  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DUVALL, JEAN M.  
; REGISTRATION NUMBER: 32,731  
; REFERENCE/DOCKET NUMBER: 002010-007  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 877-0900  
; TELEFAX: (415) 877-8370  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-467-607-12

Query Match 31.2%; Score 5; DB 1; Length 6;

Best Local Similarity 100.0%; Pred. No. 4.6e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
|||||  
Db 1 SLPKS 5

## RESULT 37

US-08-469-362-12  
; Sequence 12, Application US/08469362  
; Patent No. 5849711  
; GENERAL INFORMATION:  
; APPLICANT: TUNG, JAY S.  
; APPLICANT: SINHA, SUKANTO  
; APPLICANT: MCCONLOGUE, LISA  
; APPLICANT: SEMKO, CHRISTOPHER M.F.  
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND  
; COMPOSITIONS FOR INHIBITION THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES  
; STREET: 800 F. Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,362  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DUVALL, JEAN M.  
; REGISTRATION NUMBER: 32,731  
; REFERENCE/DOCKET NUMBER: 002010-005  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 877-0900  
; TELEFAX: (415) 877-8370  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-469-362-12

Query Match 31.2%; Score 5; DB 1; Length 6;

Best Local Similarity 100.0%; Pred. No. 4.6e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
|||||  
Db 1 SLPKS 5

## RESULT 38

US-08-850-392-12  
; Sequence 12, Application US/08850392  
; Patent No. 5858982  
; GENERAL INFORMATION:  
; APPLICANT: TUNG, JAY S.  
; APPLICANT: SINHA, SUKANTO  
; APPLICANT: MCCONLOGUE, LISA  
; APPLICANT: SEMKO, CHRISTOPHER M.F.  
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND  
; COMPOSITIONS FOR INHIBITION THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES  
; STREET: 800 F. Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/850,392  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/469,362  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:

```

; NAME: DUVALL, JEAN M.
; REGISTRATION NUMBER: 32,731
; REFERENCE/DOCKET NUMBER: 002010-005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 877-0900
; TELEFAX: (415) 877-8370
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-850-392-12

Query Match 31.2%; Score 5; DB 1; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 SLPKS 6
Db 1 SLPKS 5

RESULT 39
US-09-476-482-11
; Sequence 11, Application US/09476482
; Patent No. 6284456
; GENERAL INFORMATION:
; APPLICANT: Jones, Katherine A.
; APPLICANT: Wei, Ping
; APPLICANT: Garber, Mitchell
; APPLICANT: Fang, Shi-Min
; TITLE OF INVENTION: A TRANSCRIPTIONAL COACTIVATOR THAT
; TITLE OF INVENTION: INTERACTS WITH TAT PROTEIN AND REGULATES ITS BINDING TO TAR
; TITLE OF INVENTION: RNA, METHODS FOR MODULATING TAT TRANSACTIVATION, AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: SALK2230-2
; CURRENT APPLICATION NUMBER: US/09/476,482
; CURRENT FILING DATE: 1999-12-30
; EARLIER APPLICATION NUMBER: 09/126,980
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-476-482-11

Query Match 31.2%; Score 5; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PDLEL 15
Db 5 PDLEL 9

RESULT 40
US-08-946-026-57
; Sequence 57, Application US/08946026
; Patent No. 6034218
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Mitcham, Jennifer L.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
; TITLE OF INVENTION: AND IMMUNODIAGNOSIS OF PROSTATE CANCER
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue

```

```

; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,026
; FILING DATE: 07-OCT-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.424C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-946-026-57

Query Match 31.2%; Score 5; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16
Db 9 DLELP 13

RESULT 41
US-08-793-490-5
; Sequence 5, Application US/08793490
; Patent No. 5968824
; GENERAL INFORMATION:
; APPLICANT: Spruce, Barbara A
; APPLICANT: Prescott, Alan
; APPLICANT: Bottger, Angelika
; APPLICANT: Dewar, Deborah A
; TITLE OF INVENTION: Agents for Inducing Apoptosis and Applications of Said
; FILE REFERENCE: ME A9701
; CURRENT APPLICATION NUMBER: US/08/793,490
; CURRENT FILING DATE: 1997-04-28
; EARLIER APPLICATION NUMBER: GB 9419285.3
; EARLIER FILING DATE: 1994-09-23
; EARLIER APPLICATION NUMBER: GB 9417444.8
; EARLIER FILING DATE: 1994-08-30
; EARLIER APPLICATION NUMBER: PCT/GB95/02037
; EARLIER FILING DATE: 1995-08-30
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sequence
; OTHER INFORMATION: encoded by anti-proenkephalin immunoglobulin heavy
; OTHER INFORMATION: chain variable domain genes
US-08-793-490-5

Query Match 31.2%; Score 5; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 6 SEFAV 10  
| | | | |  
Db 15 SEFAV 19

## RESULT 42

US-08-467-607-4  
; Sequence 4, Application US/08467607  
; Patent No. 5783434  
; GENERAL INFORMATION:  
; APPLICANT: TUNG, JAY S.  
; APPLICANT: SINHA, SUKANTO  
; APPLICANT: MCCONLOGUE, LISA  
; APPLICANT: TATSUNO, GWEN  
; APPLICANT: ANDERSON, JOHN  
; APPLICANT: CHRYSLER, SUSANNA  
; TITLE OF INVENTION: NOVEL CATHERSIN AND METHODS AND  
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES  
; STREET: 800 F. Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,607  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DUVALL, JEAN M.  
; REGISTRATION NUMBER: 32,731  
; REFERENCE/DOCKET NUMBER: 002010-007  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 877-0900  
; TELEFAX: (415) 877-8370  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 7  
; OTHER INFORMATION: /note= "This position is Gly or  
; OTHER INFORMATION: Asp."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "This position is Asn or  
; OTHER INFORMATION: Val."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 14  
; OTHER INFORMATION: /note= "This position is Val or  
; OTHER INFORMATION: Asn."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 20  
; OTHER INFORMATION: /note= "This position is Arg or  
; OTHER INFORMATION: Thr."  
US-08-467-607-4

Query Match 31.2%; Score 5; DB 1; Length 20;  
Best Local Similarity 100.0%; Pred. No. 68;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
| | | | |  
Db 1 SLPKS 5

## RESULT 43

US-08-469-362-4  
; Sequence 4, Application US/08469362  
; Patent No. 5849711  
; GENERAL INFORMATION:  
; APPLICANT: TUNG, JAY S.  
; APPLICANT: SINHA, SUKANTO  
; APPLICANT: MCCONLOGUE, LISA  
; APPLICANT: SEMKO, CHRISTOPHER M.F.  
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND  
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES  
; STREET: 800 F. Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,362  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DUVALL, JEAN M.  
; REGISTRATION NUMBER: 32,731  
; REFERENCE/DOCKET NUMBER: 002010-005  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 877-0900  
; TELEFAX: (415) 877-8370  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 7  
; OTHER INFORMATION: /note= "This position is Gly or  
; OTHER INFORMATION: Asp."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "This position is Asn or  
; OTHER INFORMATION: Val."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 14  
; OTHER INFORMATION: /note= "This position is Val or  
; OTHER INFORMATION: Asn."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 20  
; OTHER INFORMATION: /note= "This position is Arg or  
; OTHER INFORMATION: Thr."  
US-08-469-362-4

Query Match 31.2%; Score 5; DB 1; Length 20;  
Best Local Similarity 100.0%; Pred. No. 68;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
| | | | |  
Db 1 SLPKS 5

RESULT 44  
US-08-850-392-4  
; Sequence 4, Application US/08850392  
; Patent No. 5858982  
; GENERAL INFORMATION:  
; APPLICANT: TUNG, JAY S.  
; APPLICANT: SINHA, SUKANTO  
; APPLICANT: MCCONLOGUE, LISA  
; APPLICANT: SEMKO, CHRISTOPHER M.F.  
; TITLE OF INVENTION: NOVEL CATHEPSIN AND METHODS AND  
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ATHENA NEUROSCIENCES  
; STREET: 800 F. Gateway Blvd.  
; CITY: South San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/850,392  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA: US 08/469,362  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DUVALL, JEAN M.  
; REGISTRATION NUMBER: 32,731  
; REFERENCE/DOCKET NUMBER: 002010-005  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 877-0900  
; TELEFAX: (415) 877-8370  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 7  
; OTHER INFORMATION: /note= "This position is Gly or  
; OTHER INFORMATION: Asp."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 8  
; OTHER INFORMATION: /note= "This position is Asn or  
; OTHER INFORMATION: Val."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 14  
; OTHER INFORMATION: /note= "This position is Val or  
; OTHER INFORMATION: Asn."  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 20  
; OTHER INFORMATION: /note= "This position is Arg or  
; OTHER INFORMATION: Thr."  
US-08-850-392-4

Query Match 31.2%; Score 5; DB 1; Length 20;  
Best Local Similarity 100.0%; Pred. No. 68;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
| | | | |  
Db 1 SLPKS 5

RESULT 45  
US-09-406-781-40  
; Sequence 40, Application US/09406781  
; Patent No. 6306663  
; GENERAL INFORMATION:  
; APPLICANT: Kenten, John  
; APPLICANT: Roberts, Steven  
; TITLE OF INVENTION: CONTROLLING PROTEIN LEVELS IN EUARYOTIC ORGANISMS  
; FILE REFERENCE: 2757-3  
; CURRENT APPLICATION NUMBER: US/09/406,781  
; CURRENT FILING DATE: 1999-09-28  
; EARLIER APPLICATION NUMBER: 60/119,851  
; EARLIER FILING DATE: 1999-02-12  
; NUMBER OF SEQ ID NOS: 67  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 40  
; LENGTH: 21  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: ubiquitination  
; OTHER INFORMATION: recognition element  
US-09-406-781-40

Query Match 31.2%; Score 5; DB 2; Length 21;  
Best Local Similarity 100.0%; Pred. No. 71;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 EFAVP 11  
| | | | |  
Db 2 EFAVP 6

RESULT 46  
US-09-880-132-40  
; Sequence 40, Application US/09880132  
; Patent No. 6559280  
; GENERAL INFORMATION:  
; APPLICANT: Kenten, John  
; APPLICANT: Roberts, Steven  
; TITLE OF INVENTION: CONTROLLING PROTEIN LEVELS IN EUARYOTIC ORGANISMS  
; FILE REFERENCE: 2757-6  
; CURRENT APPLICATION NUMBER: US/09/880,132  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: 09/406,781  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: 60/119,851  
; PRIOR FILING DATE: 1999-02-12  
; NUMBER OF SEQ ID NOS: 67  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 40  
; LENGTH: 21  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: ubiquitination  
; OTHER INFORMATION: recognition element  
US-09-880-132-40

Query Match 31.2%; Score 5; DB 2; Length 21;  
Best Local Similarity 100.0%; Pred. No. 71;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 EFAVP 11  
| | | | |  
Db 2 EFAVP 6

RESULT 47  
US-09-079-372-11  
; Sequence 11, Application US/09079372  
; Patent No. 6165990  
; GENERAL INFORMATION:  
; APPLICANT: Singh, Pomila  
; APPLICANT: Wood, T.  
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN  
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: United States of America  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/079,372  
; FILING DATE: Concurrently Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/634,546  
; FILING DATE: 18-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hodgins, Daniel S.  
; REGISTRATION NUMBER: 31,026  
; REFERENCE/DOCKET NUMBER: UTSG:220  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 35 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-09-079-372-11

Query Match 31.2%; Score 5; DB 2; Length 35;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 DLELP 16  
| | | | |  
Db 20 DLELP 24

RESULT 48  
US-09-205-258-574  
; Sequence 574, Application US/09205258  
; Patent No. 6525174  
; GENERAL INFORMATION:  
; APPLICANT: Young et al.  
; TITLE OF INVENTION: 207 Human Secreted Proteins  
; FILE REFERENCE: P2007P1  
; CURRENT APPLICATION NUMBER: US/09/205,258  
; CURRENT FILING DATE: 1998-12-04  
; EARLIER APPLICATION NUMBER: PCT/US98/11422  
; EARLIER FILING DATE: 1998-06-04  
; EARLIER APPLICATION NUMBER: 60/048,885  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,375  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,881  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,880  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,896  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,020  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,876  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,895  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,884  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,894  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,971  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,964  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,882  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,899  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,893  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,900  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,901  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,892  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,915  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,019  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,972  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,916  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,373  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,875  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/049,374  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,917  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,949  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,974  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,883  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,897  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,898  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,962  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,963  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,877  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/048,878  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/070,923  
; EARLIER FILING DATE: 1997-12-18  
; EARLIER APPLICATION NUMBER: 60/092,921  
; EARLIER FILING DATE: 1998-07-15  
; EARLIER APPLICATION NUMBER: 60/094,657  
; EARLIER FILING DATE: 1998-07-30  
; NUMBER OF SEQ ID NOS: 1227  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 574  
; LENGTH: 48

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-258-574
    Query Match      31.2%; Score 5; DB 2; Length 48;
    Best Local Similarity 100.0%; Pred. No. 1.5e+02;
    Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
      |||||
Db     34 SLPKS 38

RESULT 49
US-10-004-860-574
; Sequence 574, Application US/10004860
; Patent No. 6914047
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/10/004,860
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 574
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-004-860-574
    Query Match      31.2%; Score 5; DB 2; Length 48;
    Best Local Similarity 100.0%; Pred. No. 1.5e+02;
    Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
      |||||
Db     34 SLPKS 38

RESULT 50
US-09-640-211A-2293
; Sequence 2293, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2293
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Pinus radiata
US-09-640-211A-2293
    Query Match      31.2%; Score 5; DB 2; Length 54;
    Best Local Similarity 100.0%; Pred. No. 1.7e+02;
    Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
      |||||
Db     39 SLPKS 43

RESULT 51
US-09-640-211A-2124
; Sequence 2124, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; FILE REFERENCE: 11000.1021CIU
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2124
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Eucalyptus grandis
US-09-640-211A-2124
    Query Match      31.2%; Score 5; DB 2; Length 55;
    Best Local Similarity 100.0%; Pred. No. 1.7e+02;
    Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
      |||||
Db     39 SLPKS 43

RESULT 52
US-09-270-767-61615
; Sequence 61615, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61615
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-61615
    Query Match      31.2%; Score 5; DB 2; Length 56;
    Best Local Similarity 100.0%; Pred. No. 1.8e+02;
    Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
      |||||
Db       4 DLELP 8

RESULT 53
US-09-010-147B-8
; Sequence 8, Application US/09010147B
; Patent No. 6653445
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Human Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC  
; compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/010,147B  
; FILING DATE: 12-Jan. 6653445-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/034,205  
; FILING DATE: 21-JAN-1997  
; APPLICATION NUMBER: US 60/034,204  
; FILING DATE: 21-JAN-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jonathan L. Klein  
; REGISTRATION NUMBER: 41,119  
; REFERENCE/DOCKET NUMBER: PF353  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 301-309-8504  
; TELEFAX: 301-309-8439  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 59 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
; US-09-010-147B-8

Query Match 31.2%; Score 5; DB 2; Length 59;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
|||||  
Db 39 SLPKS 43

RESULT 54

US-09-621-976-5270  
; Sequence 5270, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Jobert, S.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
; FILE REFERENCE: GENSET.054PR2  
; CURRENT APPLICATION NUMBER: US/09/621,976  
; CURRENT FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 19335  
; SOFTWARE: Patent.pm  
; SEQ ID NO 5270  
; LENGTH: 61  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: -23..-1  
US-09-621-976-5270

Query Match 31.2%; Score 5; DB 2; Length 61;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
|||||  
Db 17 SLPKS 21

RESULT 55

US-09-248-796A-24265

; Sequence 24265, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstock et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 24265  
; LENGTH: 61  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-09-248-796A-24265

Query Match 31.2%; Score 5; DB 2; Length 61;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SEFAV 10  
|||||  
Db 19 SEFAV 23

RESULT 56

US-09-107-532A-6719  
; Sequence 6719, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 6719:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 66 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ORIGINAL SOURCE:

```

; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...66
; SEQUENCE DESCRIPTION: SEQ ID NO: 6719:
US-09-107-532A-6719

Query Match          31.2%; Score 5; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 YSLPK 5
      |||||
Db      56 YSLPK 60

RESULT 57
US-09-513-999C-5284
; Sequence 5284, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 5284
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 8
; OTHER INFORMATION: Xaa=Glu or Gly
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 60
; OTHER INFORMATION: Xaa= * or Arg
US-09-513-999C-5284

Query Match          31.2%; Score 5; DB 2; Length 67;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KSEFA 9
      |||||
Db      30 KSEFA 34

RESULT 58
US-09-471-276-1539
; Sequence 1539, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6822072
; FILE REFERENCE: GENSET.025CP1
; CURRENT APPLICATION NUMBER: US/09/471,276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057,719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069,047
; EARLIER FILING DATE: 1998-04-28

; ORGANISM: Homo sapiens
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-471-276-1539

Query Match          31.2%; Score 5; DB 2; Length 70;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
      |||||
Db      41 DLELP 45

RESULT 60
US-09-513-999C-5283
; Sequence 5283, Application US/09513999C
; Patent No. 6783961
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 1539
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-471-276-1539

Query Match          31.2%; Score 5; DB 2; Length 67;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 KSEFA 9
      |||||
Db      30 KSEFA 34

RESULT 59
US-09-079-372-2
; Sequence 2, Application US/09079372
; Patent No. 6165990
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:230
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-2

Query Match          31.2%; Score 5; DB 2; Length 70;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
      |||||
Db      41 DLELP 45

RESULT 60
US-09-513-999C-5283
; Sequence 5283, Application US/09513999C
; Patent No. 6783961
```

```
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 5283
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 63
; OTHER INFORMATION: Xaa= * or Arg
US-09-513-999C-5283

Query Match          31.2%; Score 5; DB 2; Length 70;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 KSEFA 9
Db      33 KSEFA 37

RESULT 61
US-09-079-372-7
; Sequence 7, Application US/09079372
; Patent No. 6165990
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESS: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:220
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-7
```

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Query Match          31.2%; Score 5; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLPLP 16
Db      20 DLPLP 24

RESULT 62
US-09-540-236-2734
; Sequence 2734, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAL
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2734
; LENGTH: 84
; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2734

Query Match          31.2%; Score 5; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YSLPK 5
Db      26 YSLPK 30

RESULT 63
US-09-270-767-39981
; Sequence 39981, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 39981
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-39981

Query Match          31.2%; Score 5; DB 2; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      13 SLPKS 17

RESULT 64
US-09-270-767-55198
; Sequence 55198, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
```

```

; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55198
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-55198

Query Match          31.2%; Score 5; DB 2; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      13 SLPKS 17

RESULT 65
US-09-621-976-4486
; Sequence 4486, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 4486
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-4486

Query Match          31.2%; Score 5; DB 2; Length 87;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 KSEFA 9
Db      33 KSEFA 37

RESULT 66
US-09-248-796A-22835
; Sequence 22835, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 22835
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-22835

Query Match          31.2%; Score 5; DB 2; Length 87;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 PKSEF 8
```

```

Db      55 PKSEF 59
|||||
RESULT 67
US-09-270-767-46067
; Sequence 46067, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 46067
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-46067

Query Match          31.2%; Score 5; DB 2; Length 98;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
Db      4 DLELP 8
|||||
RESULT 68
US-09-079-372-14
; Sequence 14, Application US/09079372
; Patent No. 6165990
; GENERAL INFORMATION:
; APPLICANT: Singh, Pomila
; APPLICANT: Wood, T.
; TITLE OF INVENTION: INHIBITION OF ENDOGENOUS GASTRIN
; TITLE OF INVENTION: EXPRESSION FOR TREATMENT OF COLORECTAL CANCER
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,372
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/634,546
; FILING DATE: 18-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hodgins, Daniel S.
; REGISTRATION NUMBER: 31,026
; REFERENCE/DOCKET NUMBER: UTSG:220
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 100 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-079-372-14

Query Match          31.2%; Score 5; DB 2; Length 100;
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Best Local Similarity 100.0%; Pred. No. 3.1e+02; Indels 0; Gaps 0; Matches 5; Conservative 0; Mismatches 0;

QY 12 DLELP 16  
|||||  
Db 41 DLELP 45

## RESULT 69

US-09-513-999C-7429  
; Sequence 7429, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 7429  
; LENGTH: 100  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: 7  
; OTHER INFORMATION: Xaa=Glu or Lys  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: 10  
; OTHER INFORMATION: Xaa=Ser or Trp

US-09-513-999C-7429

Query Match 31.2%; Score 5; DB 2; Length 100;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SLPKS 6  
|||||  
Db 34 SLPKS 38

## RESULT 70

US-09-025-769B-168  
; Sequence 168, Application US/09025769B  
; Patent No. 6300064  
; GENERAL INFORMATION:  
; APPLICANT: Knappik, Achim  
; APPLICANT: Pack, Peter  
; APPLICANT: Ilag, Vic  
; APPLICANT: Ge, Liming  
; APPLICANT: Moroney, Simon  
; APPLICANT: Plueckthun, Andreas  
; TITLE OF INVENTION: Protein/(Poly)peptide libraries  
; NUMBER OF SEQUENCES: 373  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave  
; STREET: 1251 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10021  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/025,769B  
; FILING DATE: 18-FEB-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 95 11 3021.0  
; FILING DATE: 18-AUG-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: James F. Haley, Jr., Esq.  
; REGISTRATION NUMBER: 27,794  
; REFERENCE/DOCKET NUMBER: MORPHO/5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)596-9000  
; TELEFAX: (212)596-9090  
; INFORMATION FOR SEQ ID NO: 168:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 104 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-025-769B-168

Query Match 31.2%; Score 5; DB 2; Length 104;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 PKSEF 8  
|||||  
Db 100 PKSEF 104

## RESULT 71

US-09-490-070A-168  
; Sequence 168, Application US/09490070A  
; Patent No. 6696248  
; GENERAL INFORMATION:  
; APPLICANT: Knappik, Achim  
; APPLICANT: Pack, Peter  
; APPLICANT: Ilag, Vic  
; APPLICANT: Ge, Liming  
; APPLICANT: Moroney, Simon  
; APPLICANT: Plueckthun, Andreas  
; TITLE OF INVENTION: Protein/(Poly)peptide libraries  
; NUMBER OF SEQUENCES: 373  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Colin G. Sandercock, Esq. c/o Heller Ehrman  
; STREET: 1666 K Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20006  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/490,070A  
; FILING DATE: 24-Jan-2000  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 95 11 3021.0  
; FILING DATE: 18-AUG-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Colin G. Sandercock, Esq.  
; REGISTRATION NUMBER: 31,298  
; REFERENCE/DOCKET NUMBER: 37629-0005  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 912-2000  
; TELEFAX: (202) 912-2020  
; INFORMATION FOR SEQ ID NO: 168:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 104 amino acids  
; TYPE: amino acid

```
;
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
;      SEQUENCE DESCRIPTION: SEQ ID NO: 168:
US-09-490-070A-168

Query Match      31.2%; Score 5; DB 2; Length 104;
Best Local Similarity 100.0%; Pred.No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 PKSEF 8
      |||||
Db      100 PKSEF 104

RESULT 72
US-09-270-767-60427
; Sequence 60427, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60427
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-60427

Query Match      31.2%; Score 5; DB 2; Length 104;
Best Local Similarity 100.0%; Pred.No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
      |||||
Db      5 DLELP 9

RESULT 73
US-09-490-153-168
; Sequence 168, Application US/09490153
; Patent No. 6706484
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
;      Pack, Peter
;      Ilag, Vic
;      Ge, Liming
;      Moroney, Simon
;      Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
;      ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
;      STREET: 1251 Avenue of the Americas
;      CITY: New York
;      STATE: New York
;      COUNTRY: USA
;      ZIP: 10021
; COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/09/490,153
;      FILING DATE: 24-Jan-2000
; PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US/09/025,769B
;      FILING DATE: 18-FEB-1998
;      APPLICATION NUMBER: EP 95 11 3021.0
;
```

```
;
;      FILING DATE: 18-AUG-1995
;      ATTORNEY/AGENT INFORMATION:
;      NAME: James F. Haley, Jr., Esq.
;      REGISTRATION NUMBER: 27,794
;      REFERENCE/DOCKET NUMBER: MORPHO/5
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (212)596-9000
;      TELEFAX: (212)596-9090
;      INFORMATION FOR SEQ ID NO: 168:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH: 104 amino acids
;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
;      SEQUENCE DESCRIPTION: SEQ ID NO: 168:
US-09-490-153-168

Query Match      31.2%; Score 5; DB 2; Length 104;
Best Local Similarity 100.0%; Pred.No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 PKSEF 8
      |||||
Db      100 PKSEF 104

RESULT 74
US-09-490-324-168
; Sequence 168, Application US/09490324
; Patent No. 6828422
; GENERAL INFORMATION:
; APPLICANT: Knappik, Achim
;      Pack, Peter
;      Ilag, Vic
;      Ge, Liming
;      Moroney, Simon
;      Plueckthun, Andreas
; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
;      ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
;      STREET: 1251 Avenue of the Americas
;      CITY: New York
;      STATE: New York
;      COUNTRY: USA
;      ZIP: 10021
; COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/09/490,324
;      FILING DATE: 24-Jan-2000
; PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US/09/025,769
;      FILING DATE: 18-FEB-1998
;      APPLICATION NUMBER: EP 95 11 3021.0
;      FILING DATE: 18-AUG-1995
;      ATTORNEY/AGENT INFORMATION:
;      NAME: James F. Haley, Jr., Esq.
;      REGISTRATION NUMBER: 27,794
;      REFERENCE/DOCKET NUMBER: MORPHO/5
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (212)596-9000
;      TELEFAX: (212)596-9090
;      INFORMATION FOR SEQ ID NO: 168:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH: 104 amino acids
;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
;      SEQUENCE DESCRIPTION: SEQ ID NO: 168:
;
```

US-09-490-324-168

Query Match 31.2%; Score 5; DB 2; Length 104;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 PKSEF 8  
|||  
Db 100 PKSEF 104

RESULT 75

US-08-369-796-16  
; Sequence 16, Application US/08369796  
; Patent No. 5716622  
; GENERAL INFORMATION:  
; APPLICANT: James E. Darnell, Jr.  
; APPLICANT: Zilong Wen  
; APPLICANT: Curt M. Horvath  
; APPLICANT: Zhong Zhong  
; TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL  
; TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Klauber & Jackson  
; STREET: 411 Hackensack Avenue  
; CITY: Hackensack  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07601

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/369,796  
FILING DATE: 06-JAN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-116  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201 487-5800  
TELEFAX: 201 343-1684  
TELEX: 133521

INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 107 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
FRAGMENT TYPE: internal  
US-08-369-796-16

Query Match 31.2%; Score 5; DB 1; Length 107;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 FAVPD 12  
|||  
Db 86 FAVPD 90

RESULT 76

US-08-852-091-16  
; Sequence 16, Application US/08852091  
; Patent No. 5883228  
; GENERAL INFORMATION:  
; APPLICANT: James E. Darnell, Jr.

APPLICANT: Zilong Wen  
APPLICANT: Curt M. Horvath  
APPLICANT: Zhong Zhong  
TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL  
TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS  
NUMBER OF SEQUENCES: 39  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauber & Jackson  
STREET: 411 Hackensack Avenue  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/852,091  
FILING DATE: 06-MAY-1997  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/369,796  
FILING DATE: 06-JAN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-116  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201 487-5800  
TELEFAX: 201 343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 107 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
FRAGMENT TYPE: internal  
US-08-852-091-16

Query Match 31.2%; Score 5; DB 1; Length 107;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 FAVPD 12  
|||  
Db 86 FAVPD 90

RESULT 77

PCT-US95-17025-16  
; Sequence 16, Application PC/TUS9517025  
; GENERAL INFORMATION:

APPLICANT: James E. Darnell, Jr.  
APPLICANT: Zilong Wen  
APPLICANT: Curt M. Horvath  
APPLICANT: Zhong Zhong  
TITLE OF INVENTION: FUNCTIONALLY ACTIVE REGIONS OF SIGNAL  
TITLE OF INVENTION: TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION (STAT) PROTEINS  
NUMBER OF SEQUENCES: 39  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson  
STREET: 411 Hackensack Avenue  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk



```
;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17025
; FILING DATE: 28-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/369,796
; FILING DATE: 06-JAN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201 487-5800
; TELEFAX: 201 343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 107 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; FRAGMENT TYPE: internal
; PCT-US95-17025-16
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Query Match 31.2%; Score 5; DB 4; Length 107;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 8 FAVPD 12
Db 86 FAVPD 90
```

```
RESULT 78
US-09-187-859-23
; Sequence 23, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-187-859-23
```

```
Query Match 31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 9 AVPDL 13
Db 61 AVPDL 65
```

```
RESULT 79
US-09-839-542B-23
; Sequence 23, Application US/09839542B
; Patent No. 656996
; GENERAL INFORMATION:
```

```
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407D1
; CURRENT APPLICATION NUMBER: US/09/839,542B
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-839-542B-23
```

```
Query Match 31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 9 AVPDL 13
Db 61 AVPDL 65
```

```
RESULT 80
US-09-535-852-23
; Sequence 23, Application US/09535852
; Patent No. 6638911
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James M.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND EMTHODS FOR MODULATING
; TITLE OF INVENTION: DESMOSOMAL CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-535-852-23
```

```
Query Match 31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 9 AVPDL 13
Db 61 AVPDL 65
```

```
RESULT 81
US-09-621-976-5753
; Sequence 5753, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 5753
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
```

```
;
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -18...-1
US-09-621-976-5753

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      39 SLPKS 43

RESULT 82
US-10-006-869-23
; Sequence 23, Application US/10006869
; Patent No. 6962969
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
; FILE REFERENCE: 100086.407C7
; CURRENT APPLICATION NUMBER: US/10/006,869
; CURRENT FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-006-869-23

Query Match          31.2%; Score 5; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDL 13
Db      61 AVPDL 65

RESULT 83
US-09-107-532A-4396
; Sequence 4396, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
```

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4396:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...113
; SEQUENCE DESCRIPTION: SEQ ID NO: 4396:
US-09-107-532A-4396

Query Match          31.2%; Score 5; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLEL 15
Db      39 PDLEL 43

RESULT 84
US-10-104-047-2080
; Sequence 2080, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2080
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2080

Query Match          31.2%; Score 5; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
Db      105 SLPKS 109

RESULT 85
US-09-809-545A-74
; Sequence 74, Application US/09809545A
; Patent No. 6800455
; GENERAL INFORMATION:
; APPLICANT: Stanton, Lawrence W.
; APPLICANT: White, R. Tyler
; TITLE OF INVENTION: SECRETED FACTORS
; FILE REFERENCE: SCIOS.017A
; CURRENT APPLICATION NUMBER: US/09/809,545A
; CURRENT FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 74
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-809-545A-74

Query Match          31.2%; Score 5; DB 2; Length 114;
Best Local Similarity 100.0%; Pred.No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 VPDLE 14
Db      88 VPDLE 92

RESULT 86
US-08-846-134-1
; Sequence 1, Application US/08846134
; Patent No. 5814481
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: NOVEL HEAT SHOCK-LIKE PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/846,134
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0278 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 116 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRETUT05
; CLONE: 249921
US-08-846-134-1

Query Match          31.2%; Score 5; DB 1; Length 116;
Best Local Similarity 100.0%; Pred.No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      39 SLPKS 43

RESULT 87
US-09-010-147B-10
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; Sequence 10, Application US/09010147B
; Patent No. 6653445
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Human Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/010,147B
; FILING DATE: 12-No. 6653445-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/034,205
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 60/034,204
; FILING DATE: 21-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Jonathan L. Klein
; REGISTRATION NUMBER: 41,119
; REFERENCE/DOCKET NUMBER: PF353
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 116 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-010-147B-10

Query Match          31.2%; Score 5; DB 2; Length 116;
Best Local Similarity 100.0%; Pred.No. 3.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
Db      39 SLPKS 43

RESULT 88
US-10-104-047-3879
; Sequence 3879, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3879
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3879
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Query Match      31.2%; Score 5; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      28 DLELP 32

RESULT 89
US-09-949-016-11739
; Sequence 11739, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11739
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11739

Query Match      31.2%; Score 5; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      62 DLELP 66

RESULT 90
US-09-270-767-58489
; Sequence 58489, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58489
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-58489

Query Match      31.2%; Score 5; DB 2; Length 124;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 SLPKS 6
      |||||
Db      50 SLPKS 54

RESULT 91
US-09-270-767-32423
; Sequence 32423, Application US/09270767
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; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32423
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-32423

Query Match      31.2%; Score 5; DB 2; Length 132;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      79 DLELP 83

RESULT 92
US-09-270-767-47640
; Sequence 47640, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47640
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-47640

Query Match      31.2%; Score 5; DB 2; Length 132;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
      |||||
Db      79 DLELP 83

RESULT 93
US-09-833-328-2
; Sequence 2, Application US/09833328
; Patent No. 6926894
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Rndolf
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/09/833,328
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
```

```

; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 133
; TYPE: PRT
; ORGANISM: human
US-09-833-328-2

Query Match          31.2%; Score 5; DB 2; Length 133;
Best Local Similarity 100.0%; Pred.No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
      |||||
Db      93 DLELP 97

RESULT 94
US-09-489-039A-7439
; Sequence 7439, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7439
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7439

Query Match          31.2%; Score 5; DB 2; Length 134;
Best Local Similarity 100.0%; Pred.No. 4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 AVPDL 13
      |||||
Db      27 AVPDL 31

RESULT 95
US-09-833-328-15
; Sequence 15, Application US/09833328
; Patent No. 6926894
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Rndolf
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAG
; Patent No. 6926894
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/09/833,328
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15

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; LENGTH: 136
; TYPE: PRT
; ORGANISM: human
US-09-833-328-15

Query Match          31.2%; Score 5; DB 2; Length 136;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 DLELP 16
      |||||
Db      96 DLELP 100

RESULT 96
US-09-252-991A-21633
; Sequence 21633, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21633
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21633

Query Match          31.2%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 SLPKS 6
      |||||
Db      104 SLPKS 108

RESULT 97
US-09-134-001C-3413
; Sequence 3413, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3413
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3413

Query Match          31.2%; Score 5; DB 2; Length 140;
Best Local Similarity 100.0%; Pred.No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 PDLEL 15
      |||||

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```
Db      117 PDLEL 121

RESULT 98
US-09-248-796A-25037
; Sequence 25037, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 25037
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-25037

Query Match      31.2%; Score 5; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 PDLEL 15
        |||||
Db      63 PDLEL 67

RESULT 99
US-09-833-328-4
; Sequence 4, Application US/09833328
; Patent No. 6926894
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheifflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGC
; Patent No. 6926894
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/09/833,328
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 148
; TYPE: PRT
; ORGANISM: human
US-09-833-328-4

Query Match      31.2%; Score 5; DB 2; Length 148;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
        |||||
Db      108 DLELP 112
```

```
RESULT 100
US-09-833-328-6
; Sequence 6, Application US/09833328
; Patent No. 6926894
; GENERAL INFORMATION:
; APPLICANT: Laemmle, Bernhard
; APPLICANT: Schwarz, Hans-Peter
; APPLICANT: Scheifflinger, Friedrich
; APPLICANT: Antoine, Gerhard
; APPLICANT: Kerschbaumer, Randolph
; APPLICANT: Tagliavacca, Luigina
; APPLICANT: Zimmermann, Klaus
; APPLICANT: Furlan, Miha
; APPLICANT: Turecek, Peter
; APPLICANT: Gerritsen, Helena E.
; TITLE OF INVENTION: Composition Exhibiting a von Willebrand Factor (vWF) Protease Act
; TITLE OF INVENTION: Comprising a Polypeptide Chain with the Amino Acid Sequence AAGC
; Patent No. 6926894
; FILE REFERENCE: 247.00CIP
; CURRENT APPLICATION NUMBER: US/09/833,328
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/721,254
; PRIOR FILING DATE: 2000-11-22
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 150
; TYPE: PRT
; ORGANISM: human
US-09-833-328-6

Query Match      31.2%; Score 5; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 DLELP 16
        |||||
Db      110 DLELP 114

Search completed: February 15, 2006, 09:34:28
Job time : 8.11556 secs
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